

# Converting Colors

XYZ(92.6058, 132.1367,  
94.6421)

Have a look what the booklet for  
XYZ(92.6058, 132.1367, 94.6421)  
contains.

<b>XYZ(70.3964, 87.7419, 87.3543)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(70.3964, 87.7419,  
87.3543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFE5
RGB	187, 255, 229
RGB Percent	73%, 100%, 90%
CMY	0.2667, 0.0000, 0.1020
CMYK	0.27, 0.00, 0.10, 0.00
HSL	157°, 100%, 87%
HSV	157°, 27%, 100%
XYZ	70.3964, 87.7419, 87.3543
YIQ	231.7040, -32.1820, -22.5020

# Conversions

## Conversions Part 2

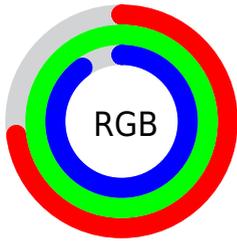
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 229, 255
Decimal	12320741
CIELab	95.05, -26.29, 5.63
CIELCh	95, 26.885, 167.913
Yxy	87.7419, 0.2868, 0.3574
Android (android.graphics.Color)	4290510821 (0xFFBBFFE5)
YUV	231.7040, -1.3331, -39.2054
Hunter-Lab	93.6706, -29.7753, 10.2775

# Details

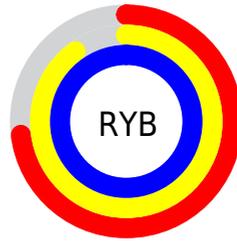
The XYZ color **70.3964, 87.7419, 87.3543** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0212, 61.6059, 71.0992**, and the grayscale version is **76.5072, 80.4915, 87.6552**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **37.3498, 48.3497, 47.4083** is the 20% darker color. If you saturate the color by 10%, you get **63.3789, 84.2772, 80.1187**, and if you desaturate by 10%, it is **78.5998, 91.8092, 95.0473**.

# Distribution



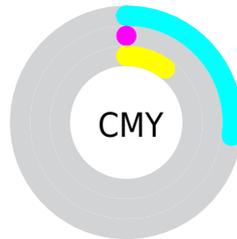
- Red (73%)
- Green (100%)
- Blue (90%)



- Red (73%)
- Yellow (90%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3964, 87.7419, 87.3543 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.3964, 87.7419, 87.3543 by changing the saturation by 10% instead.



 70.3964, 87.7419,  
87.3543

 70.3964, 87.7419,  
87.3543

451.1853,  
520.6576, 539.7328

 52.1305, 66.1093,  
65.2271

 118.7971,  
144.1978, 145.5611

 37.3338, 48.3612,  
47.1928

149.6626,  
179.7899, 182.4778

 25.6409, 34.1130,  
32.8326

185.4587,  
220.8039, 225.1615

 16.6865, 22.9804,  
21.7282

226.5507,  
267.6244, 274.0306

 10.1051, 14.5790,  
13.4609

273.3040,  
320.6356, 329.5038

 5.5315, 8.5245,  
7.6123

326.0840,

 2.6003, 4.4323,

380.2219, 391.9995

3.7637

385.2560,  
446.7678, 461.9363

0.9461, 1.9182,  
1.4966

0.0000, 0.5593,  
0.2154

70.3964, 87.7419,  
87.3543

70.3964, 87.7419,  
87.3543

63.3789, 84.2772,  
80.1187

78.5998, 91.8092,  
95.0473

57.4847, 81.3828,  
73.3270

88.0420, 96.5061,  
103.2024

52.6496, 79.0259,  
66.9709

95.0500, 100.0000,  
108.9000

48.8012, 77.1693,  
61.0401

■ 45.8576, 75.7709,  
55.5238

■ 43.7232, 74.7815,  
50.4104

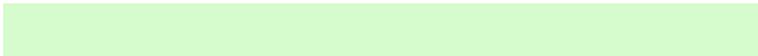
■ 42.2778, 74.1394,  
45.6867

■ 41.8889, 73.9715,  
44.1942

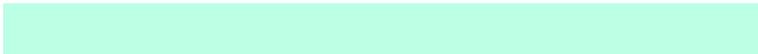
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3963, 87.7419, 71.0211



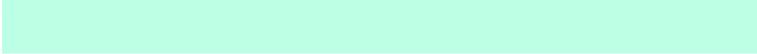
70.3964, 87.7419, 87.3543



70.7271, 87.7419, 108.4560

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3964, 87.7419, 87.3543



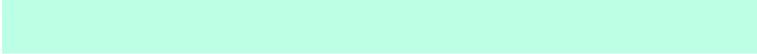
87.7931, 87.7419, 139.1732



93.1736, 87.7419, 68.6741

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.3964, 87.7419, 87.3543



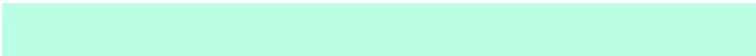
71.0212, 61.6059, 71.0992

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.4942, 87.7419, 83.6851



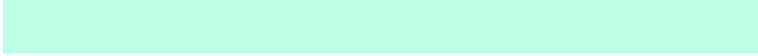
70.3964, 87.7419, 87.3543



94.2651, 87.7419, 125.1282

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3964, 87.7419, 87.3543



80.4880, 87.7419, 140.5380



97.9050, 87.7419, 104.2133

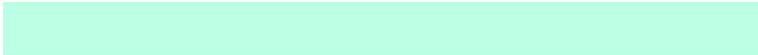


86.3733, 87.7419, 61.3401



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3964, 87.7419, 87.3543



72.7938, 87.7419, 122.4592



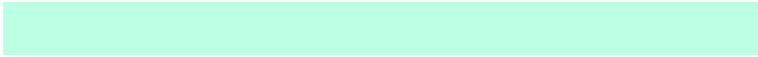
97.9050, 87.7419, 104.2133



94.9808, 87.7419, 72.8799

# Sweetspot

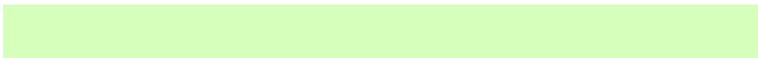
The Sweet Spot groups the original color and five complimentary colors.



70.3973, 87.7424, 87.3558



86.7085, 95.8419, 102.0871



72.1903, 89.2643, 60.4401



18.2432, 20.3568, 21.5838



0.0000, 0.0000, 0.0000

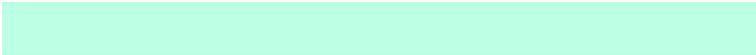


20.3446, 21.4041, 23.3091

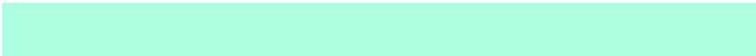


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3973, 87.7424, 87.3558



66.5097, 85.8209, 83.4393



71.8254, 84.3476, 107.1029



18.2432, 20.3568, 21.5838



21.9630, 38.6818, 23.4880



2.1918, 3.7876, 2.5678



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.0212, 61.6059, 71.0992



67.2315, 55.6892, 64.7097



69.7106, 63.8494, 55.6652



18.2968, 18.1020, 20.1799



22.7555, 11.5915, 7.3627

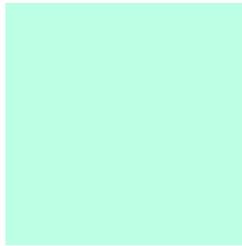


2.2669, 1.1491, 0.9870



# Previews

## White Background



This preview shows how the XYZ color 70.3964, 87.7419, 87.3543 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

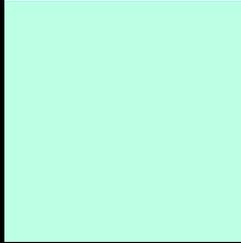
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3964, 87.7419, 87.3543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

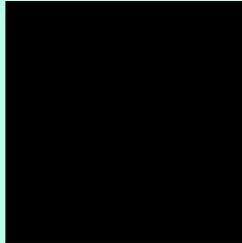
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.3964, 87.7419, 87.3543**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.3964, 87.7419, 87.3543.



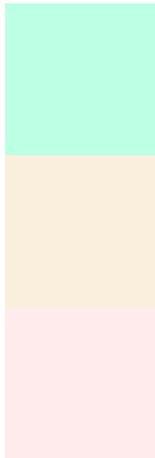
This preview shows how white text looks on a background with the XYZ color 70.3964, 87.7419,

87.3543.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

70.3964, 87.7419, 87.3543

### Protanopia

82.8517, 87.0400, 80.1438

### Deuteranopia

86.0887, 86.7328, 91.5606



## Tritanopia

79.9158, 87.5849, 107.3013

# Trichromacy



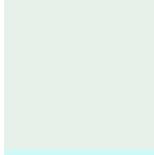
## Original Color

70.3964, 87.7419, 87.3543



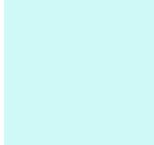
## Protanomaly

77.3357, 86.8013, 82.4903



## Deuteranomaly

79.0932, 86.2104, 89.5624



## Tritanomaly

76.2424, 87.6706, 100.0925

# Monochromacy



## Original Color

70.3964, 87.7419, 87.3543



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.9028, 82.6886, 87.6667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3964, 87.7419, 87.3543 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(187, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 229)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(187, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3964, 87.7419, 87.3543 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

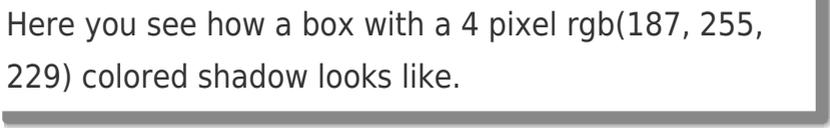
```
.border, #border, table{ border:4px solid rgb(187, 255, 229) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(187, 255, 229) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(187, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 255, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 255, 229); box-shadow:4px 4px 4px 4px rgb(187, 255, 229) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3964, 87.7419, 87.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 229) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(187,  
255, 229) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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