

# Converting Colors

XYZ(67.3973, 75.8502, 87.1487)

Have a look what the booklet for  
XYZ(67.3973, 75.8502, 87.1487)  
contains.

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# Color

**XYZ(67.5095, 75.9569,  
87.4470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E8E8
RGB	201, 232, 232
RGB Percent	79%, 91%, 91%
CMY	0.2118, 0.0902, 0.0902
CMYK	0.13, 0.00, 0.00, 0.09
HSL	180°, 40%, 85%
HSV	180°, 13%, 91%
XYZ	67.5095, 75.9569, 87.4470
YIQ	222.7310, -18.4760, -6.5720

# Conversions

## Conversions Part 2

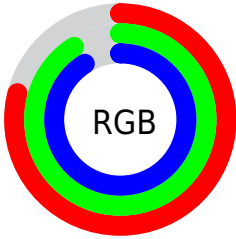
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	201, 217, 232
Decimal	13232360
CIE Lab	89.84, -10.09, -3.42
CIE LCh	90, 10.655, 198.742
Yxy	75.9569, 0.2924, 0.3289
Android (android.graphics.Color)	4291422440 (0xFFC9E8E8)
YUV	222.7310, 4.5696, -19.0581
Hunter-Lab	87.1533, -14.2509, 1.5174

# Details

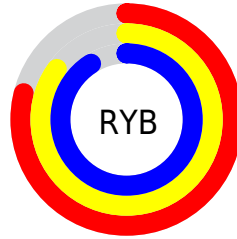
The XYZ color **67.5095, 75.9569, 87.4470** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7107, 63.1482, 64.0398**, and the grayscale version is **69.9281, 73.5699, 80.1176**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3944, 40.3883, 47.0045** is the 20% darker color. If you saturate the color by 10%, you get **61.7380, 72.9837, 87.1767**, and if you desaturate by 10%, it is **74.2274, 79.4221, 87.7647**.

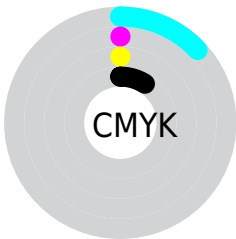
# Distribution



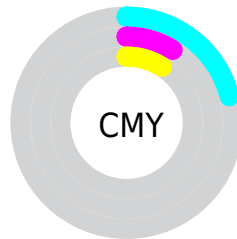
- Red (79%)
- Green (91%)
- Blue (91%)



- Red (79%)
- Yellow (85%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (21%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5095, 75.9569, 87.4470 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 67.5095, 75.9569, 87.4470 by changing the saturation by 10% instead.



67.5095, 75.9569,  
87.4470

67.5095, 75.9569,  
87.4470

441.1602,  
481.2001, 540.0449

49.7710, 56.3972,  
65.3034

114.6959,  
127.6660, 145.6914

35.4485, 40.5214,  
47.2543

144.8746,  
160.5841, 182.6293

24.1767, 27.9453,  
32.8809

179.9307,  
198.7238, 225.3357

15.5902, 18.2845,  
21.7649

220.2296,  
242.4696, 274.2293

9.3236, 11.1544,  
13.4876

266.1366,  
292.2056, 329.7284

5.0117, 6.1708,  
7.6305

318.0172,

2.2889, 2.9492,

348.3165, 392.2517

3.7751

376.2366,  
411.1865, 462.2177

■ 0.7890, 1.1053,  
1.5028

■ 0.0000, 0.0000,  
0.2200

■ 67.5095, 75.9569,  
87.4470

■ 67.5095, 75.9569,  
87.4470

■ 61.7380, 72.9837,  
87.1767

■ 74.2274, 79.4221,  
87.7647

■ 56.8642, 70.4711,  
86.9469


■ 81.9245, 83.3901,  
88.1267


■ 52.8450, 68.3992,  
86.7570


■ 84.6647, 84.8027,  
88.2567


■ 49.6311, 66.7424,  
86.6049


■ 84.6651, 84.8028,  
88.2585


 47.1683, 65.4729,  
86.4878


 84.6654, 84.8029,  
88.2603

 45.3957, 64.5591,  
86.4031


 84.6657, 84.8031,  
88.2621


 44.2429, 63.9648,  
86.3474

 84.6661, 84.8032,  
88.2638

 43.6246, 63.6461,  
86.3167

 84.6664, 84.8033,  
88.2656

 43.4208, 63.5411,  
86.3060

 84.6667, 84.8035,  
88.2674

# Harmonies

## Analogous

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



67.3462, 75.9569, 79.9079



67.5095, 75.9569, 87.4470



68.9099, 75.9569, 94.0802

# Triad

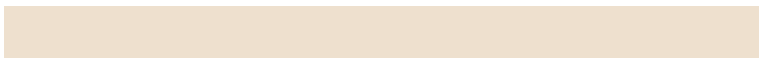
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5095, 75.9569, 87.4470



76.0648, 75.9569, 92.6306



73.1869, 75.9569, 69.2935

# Complementary

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



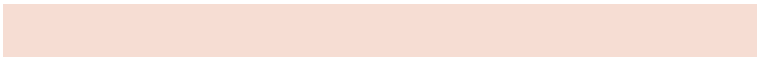
67.5095, 75.9569, 87.4470



64.7107, 63.1482, 64.0398

# 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.



75.5823, 75.9569, 72.2842



67.5095, 75.9569, 87.4470



77.2706, 75.9569, 85.5649

# Square

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



67.5095, 75.9569, 87.4470



73.8324, 75.9569, 97.1962



77.0919, 75.9569, 78.1360



70.5815, 75.9569, 69.7294



# Rectangle

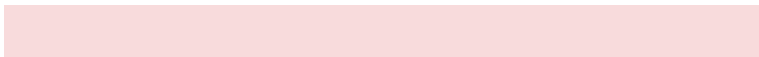
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.5095, 75.9569, 87.4470



70.3761, 75.9569, 96.9541



77.0919, 75.9569, 78.1360



74.0444, 75.9569, 69.9237

# Sweetspot

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



67.5117, 75.9601, 87.4487



91.3963, 98.1165, 108.7281



63.6280, 74.4227, 66.2711



19.4202, 20.9276, 23.2656



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.



67.5117, 75.9601, 87.4487



81.5993, 93.0660, 108.2670



63.4722, 67.8804, 86.1044



14.8075, 16.3364, 18.5168



24.1044, 35.2739, 47.9116



1.7813, 2.6066, 3.5406



# Inverse Universe

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



64.7107, 63.1482, 64.0398



77.5009, 74.3199, 74.0156



68.3756, 70.4787, 65.2597



14.3771, 14.3680, 14.9203



18.4751, 9.5243, 0.8651

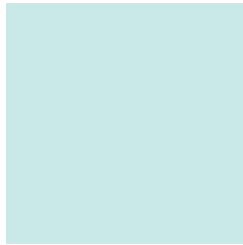


1.3653, 0.7038, 0.0640



# Previews

## White Background



This preview shows how the XYZ color 67.5095, 75.9569, 87.4470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

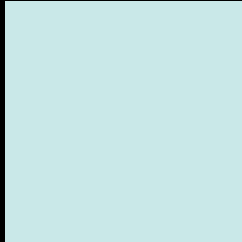
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.5095, 75.9569, 87.4470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

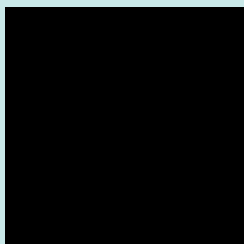
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

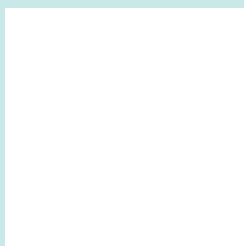
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.5095, 75.9569, 87.4470**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.5095, 75.9569, 87.4470.



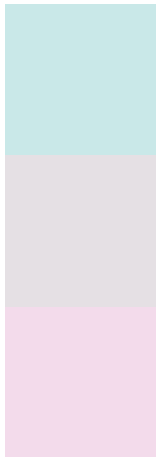
This preview shows how white text looks on a background with the XYZ color 67.5095, 75.9569,



# 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



<b>Original Color</b>
<b>Protanopia</b>
<b>Deuteranopia</b>

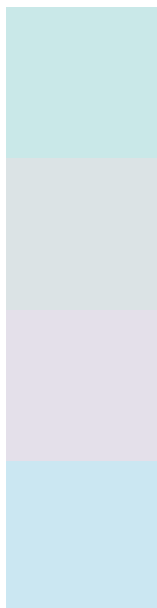
67.5095, 75.9569, 87.4470
72.9723, 75.5708, 84.1393
77.2891, 75.7159, 89.1383



## Tritanopia

70.1419, 76.2083, 99.8197

# Trichromacy



## Original Color

67.5095, 75.9569, 87.4470

## Protanomaly

70.8254, 75.6554, 84.9988

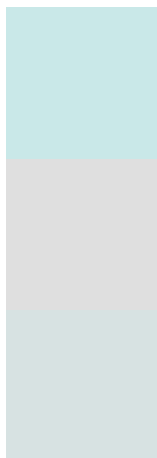
## Deuteranomaly

73.5018, 75.7458, 88.5883

## Tritanomaly

69.2315, 76.2591, 95.0750

# Monochromacy



## Original Color

67.5095, 75.9569, 87.4470

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

68.9482, 74.3308, 82.6648

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.5095, 75.9569, 87.4470 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(201, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(201, 232, 232)  
}
```

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(201, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 232, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 67.5095, 75.9569, 87.4470 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(201, 232, 232) }
```



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

```
.border{ border-color:rgb(201, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 232, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 232, 232); box-shadow:4px 4px 4px 4px rgb(201, 232, 232) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.5095, 75.9569, 87.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 232, 232) }
```

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

```
.background{ background-color: rgb(201,  
232, 232) }
```

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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