

# Converting Colors

XYZ(75.8363, 90.0078, 95.2851)

Have a look what the booklet for  
XYZ(75.8363, 90.0078, 95.2851)  
contains.

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# Color

**XYZ(75.6504, 89.8121,  
95.0096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBFEEF
RGB	203, 254, 239
RGB Percent	80%, 100%, 94%
CMY	0.2039, 0.0039, 0.0627
CMYK	0.20, 0.00, 0.06, 0.00
HSL	162°, 96%, 90%
HSV	162°, 20%, 100%
XYZ	75.6504, 89.8121, 95.0096
YIQ	237.0410, -25.5810, -15.4770

# Conversions

## Conversions Part 2

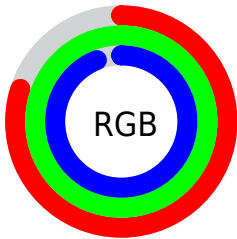
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 233, 254
Decimal	13369071
CIE <sub>Lab</sub>	95.92, -19.04, 1.85
CIE <sub>LCh</sub>	96, 19.128, 174.460
Yxy	89.8121, 0.2904, 0.3448
Android (android.graphics.Color)	4291559151 (0xFFCBBFEEF)
YUV	237.0410, 0.9658, -29.8540
Hunter-Lab	94.7692, -23.3570, 6.8981

# Details

The XYZ color **75.6504, 89.8121, 95.0096** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8871, 68.8470, 75.6754**, and the grayscale version is **80.5368, 84.7310, 92.2721**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7262, 49.6473, 52.2361** is the 20% darker color. If you saturate the color by 10%, you get **68.2111, 86.1043, 89.0189**, and if you desaturate by 10%, it is **84.2737, 94.1298, 101.2977**.

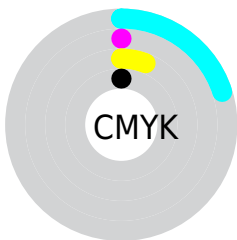
# Distribution



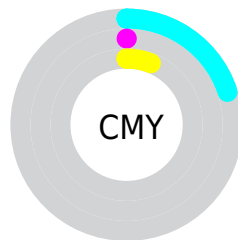
- Red (80%)
- Green (100%)
- Blue (94%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6504, 89.8121, 95.0096 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 75.6504, 89.8121, 95.0096 by changing the saturation by 10% instead.




 75.6504, 89.8121,  
95.0096

 75.6504, 89.8121,  
95.0096


469.1129,  
527.4194, 565.1808

 56.4419, 67.8248,  
71.5460


126.2156,  
147.0774, 156.2736

 40.7957, 49.7552,  
52.3034

158.3030,  
183.1241, 194.9110

 28.3465, 35.2189,  
36.8630

195.4142,  
224.6262, 239.4436

 18.7288, 23.8316,  
24.8065

237.9144,  
271.9679, 290.2897

 11.5773, 15.2087,  
15.7152

286.1690,  
325.5337, 347.8679

 6.5267, 8.9660,  
9.1707

340.5434,

 3.2116, 4.7190,

385.7079, 412.5968

4.7544

401.4029,  
452.8751, 484.8950

■ 1.2666, 2.0834,  
2.0477

■ 0.1580, 0.6552,  
0.5844

■ 75.6504, 89.8121,  
95.0096

■ 75.6504, 89.8121,  
95.0096

■ 68.2111, 86.1043,  
89.0189

■ 84.2737, 94.1298,  
101.2977

■ 61.8924, 82.9667,  
83.3142

■ 94.1253, 99.0729,  
107.8825

■ 56.6368, 80.3719,  
77.8918

■ 94.7334, 99.3669,  
108.7945

■ 52.3779, 78.2858,  
72.7456

■ 49.0422, 76.6707,  
67.8692

■ 46.5453, 75.4830,  
63.2555

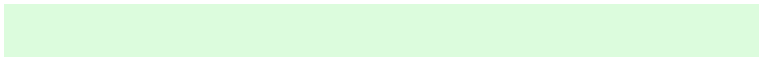
■ 44.7866, 74.6710,  
58.8968

■ 43.6090, 74.1531,  
54.8138

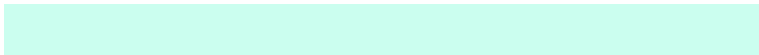
# Harmonies

## Analogous

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



77.3647, 89.8121, 81.8415



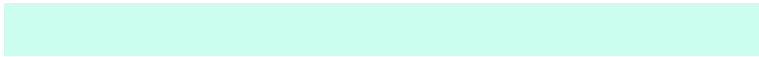
75.6504, 89.8121, 95.0096



76.4503, 89.8121, 110.3327

# Triad

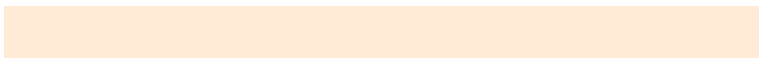
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6504, 89.8121, 95.0096



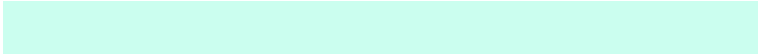
89.6377, 89.8121, 126.7217



91.4032, 89.8121, 75.9837

# Complementary

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



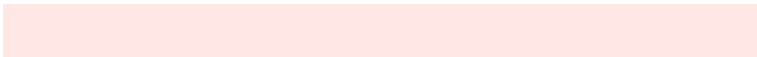
75.6504, 89.8121, 95.0096



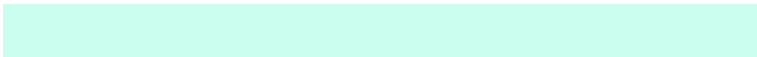
74.8871, 68.8470, 75.6754

# 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.



94.9443, 89.8121, 86.2360



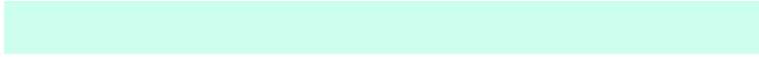
75.6504, 89.8121, 95.0096



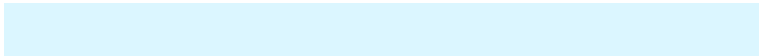
93.8959, 89.8121, 115.6868

# Square

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



75.6504, 89.8121, 95.0096



84.3872, 89.8121, 129.6855



95.8748, 89.8121, 100.6243

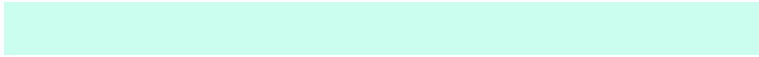


86.3477, 89.8121, 71.6066



# Rectangle

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



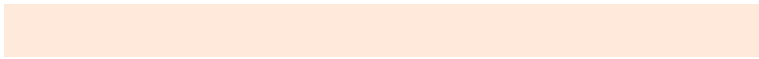
75.6504, 89.8121, 95.0096



78.3194, 89.8121, 119.6062



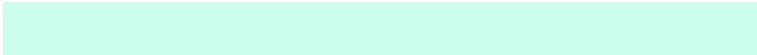
95.8748, 89.8121, 100.6243



92.8183, 89.8121, 78.8026

# Sweetspot

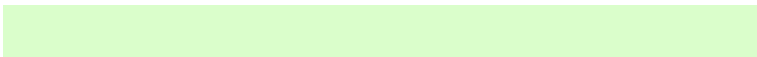
The Sweet Spot groups the original color and five complimentary colors.



75.6529, 89.8158, 95.0116



88.9271, 96.9263, 104.8752



75.2274, 90.1510, 69.9374



18.8973, 20.6776, 22.3552



0.0000, 0.0000, 0.0000

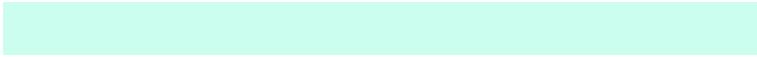


20.3446, 21.4041, 23.3091

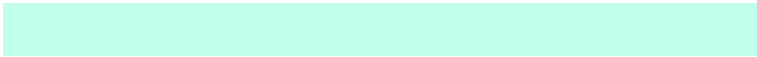


# Same Dimension

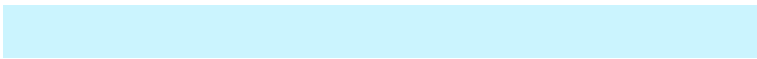
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6529, 89.8158, 95.0116



73.2425, 89.0771, 93.4518



74.8114, 84.4367, 106.1252



18.3138, 20.3850, 21.9553



23.0579, 39.1197, 29.2538



2.2929, 3.8281, 3.1004



# Inverse Universe

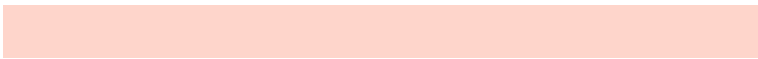
The Inverse Universe completely reimagines the original color for something new.



74.8871, 68.8470, 75.6754



72.3461, 64.4981, 70.7935



75.5000, 73.0744, 66.6269



18.2292, 18.0750, 19.8240



22.2690, 11.3969, 4.8008

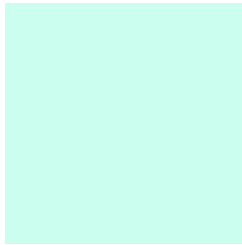


2.2136, 1.1278, 0.7061



# Previews

## White Background



This preview shows how the XYZ color 75.6504, 89.8121, 95.0096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

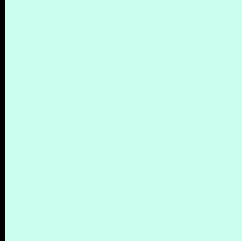
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.6504, 89.8121, 95.0096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

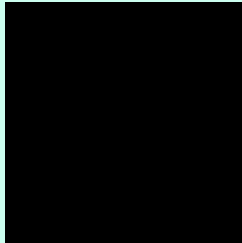
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

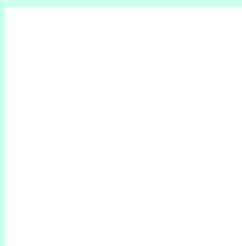
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.6504, 89.8121, 95.0096**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.6504, 89.8121, 95.0096.



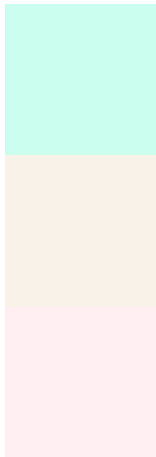
This preview shows how white text looks on a background with the XYZ color 75.6504, 89.8121,

95.0096.

# 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

75.6504, 89.8121, 95.0096

### Protanopia

85.3845, 89.4702, 89.1132

### Deuteranopia

88.2842, 89.4641, 97.4092



## **Tritanopia**

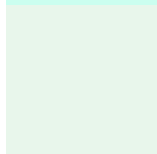
83.0007, 89.6255, 107.5326

# Trichromacy



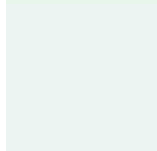
## Original Color

75.6504, 89.8121, 95.0096



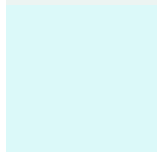
## Protanomaly

81.2299, 89.0655, 91.5074



## Deuteranomaly

82.9698, 88.9450, 96.7995



## Tritanomaly

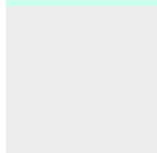
80.1880, 89.6510, 102.7005

# Monochromacy



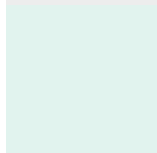
## Original Color

75.6504, 89.8121, 95.0096



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.5345, 86.2818, 93.4038

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6504, 89.8121, 95.0096 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(203, 254, 239)` looks like.

```
.text, #text, p{  
    color:rgb(203, 254, 239)  
}
```

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(203, 254, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 254, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6504, 89.8121, 95.0096 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(203, 254, 239) }
```



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

```
.border{ border-color:rgb(203, 254, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 254, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 254, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 254, 239);  
box-shadow:4px 4px 4px 4px rgb(203, 254,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6504, 89.8121, 95.0096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 254, 239) }
```

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

```
.background{ background-color: rgb(203,  
254, 239) }
```

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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