

# Converting Colors

XYZ(66.5718, 74.6354, 85.5129)

Have a look what the booklet for  
XYZ(66.5718, 74.6354, 85.5129)  
contains.

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# Color

**XYZ(66.6671, 74.7243,  
85.7724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E6E6
RGB	201, 230, 230
RGB Percent	79%, 90%, 90%
CMY	0.2118, 0.0980, 0.0980
CMYK	0.13, 0.00, 0.00, 0.10
HSL	180°, 37%, 85%
HSV	180°, 13%, 90%
XYZ	66.6671, 74.7243, 85.7724
YIQ	221.3290, -17.2840, -6.1480

# Conversions

## Conversions Part 2

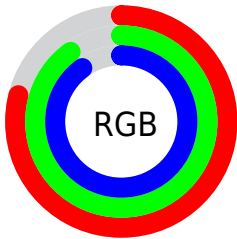
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 216, 230
Decimal	13231846
CIE Lab	89.26, -9.47, -3.22
CIE LCh	89, 10.005, 198.784
Yxy	74.7243, 0.2935, 0.3289
Android (android.graphics.Color)	4291421926 (0xFFC9E6E6)
YUV	221.3290, 4.2748, -17.8285
Hunter-Lab	86.4432, -13.6121, 1.6804

# Details

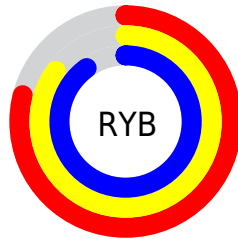
The XYZ color **66.6671, 74.7243, 85.7724** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.0650, 62.8153, 64.0096**, and the grayscale version is **68.9397, 72.5299, 78.9851**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9065, 39.5703, 46.3555** is the 20% darker color. If you saturate the color by 10%, you get **60.9414, 71.7746, 85.5041**, and if you desaturate by 10%, it is **73.3229, 78.1575, 86.0874**.

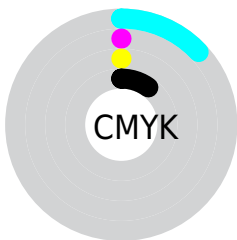
# Distribution



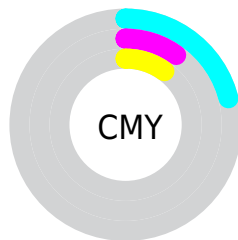
- Red (79%)
- Green (90%)
- Blue (90%)



- Red (79%)
- Yellow (85%)
- Blue (90%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6671, 74.7243, 85.7724 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 66.6671, 74.7243, 85.7724 by changing the saturation by 10% instead.



■ 66.6671, 74.7243,  
85.7724

■ 66.6671, 74.7243,  
85.7724

438.2100,  
476.9694, 534.3915

■ 49.0838, 55.3871,  
63.9260

113.4957,  
125.9220, 143.3356

■ 34.9008, 39.7117,  
46.1449

143.4718,  
158.5513, 179.8894

■ 23.7526, 27.3138,  
32.0107

178.3095,  
196.3800, 222.1827

■ 15.2740, 17.8091,  
21.1048

218.3741,  
239.7926, 270.6342

■ 9.0995, 10.8130,  
13.0086

264.0312,  
289.1734, 325.6622

■ 4.8637, 5.9412,  
7.3037

315.6460,

■ 2.2015, 2.8094,

344.9069, 387.6854

3.5714

373.5838,  
407.3775, 457.1224

■ 0.7435, 1.0330,  
1.3933

■ 0.0000, 0.0000,  
0.1365

■ 66.6671, 74.7243,  
85.7724

■ 66.6671, 74.7243,  
85.7724

■ 60.9414, 71.7746,  
85.5041

■ 73.3229, 78.1575,  
86.0874

■ 56.0983, 69.2780,  
85.2754

■ 80.9409, 82.0846,  
86.4459

■ 52.0960, 67.2148,  
85.0862

■ 83.8225, 83.5701,  
86.5827

■ 48.8865, 65.5602,  
84.9340

■ 83.8228, 83.5702,  
86.5847

46.4172, 64.2873,  
84.8165

83.8232, 83.5704,  
86.5866

44.6289, 63.3655,  
84.7309

83.8236, 83.5705,  
86.5886

43.4537, 62.7597,  
84.6739

83.8240, 83.5707,  
86.5906

42.8095, 62.4276,  
84.6418

83.8243, 83.5708,  
86.5925

42.5781, 62.3083,  
84.6295

83.8247, 83.5710,  
86.5945

# Harmonies

## Analogous

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



66.5133, 74.7243, 78.7726



66.6671, 74.7243, 85.7724



67.9721, 74.7243, 91.9099

# Triad

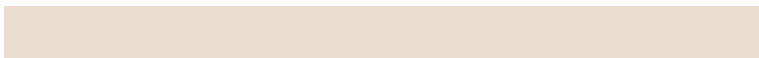
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6671, 74.7243, 85.7724



74.6166, 74.7243, 90.5544



71.9410, 74.7243, 68.8636

# Complementary

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



66.6671, 74.7243, 85.7724



64.0650, 62.8153, 64.0096

# 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.



74.1643, 74.7243, 71.6537



66.6671, 74.7243, 85.7724



75.7325, 74.7243, 84.0076

# Square

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



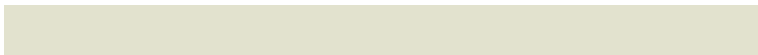
66.6671, 74.7243, 85.7724



72.5469, 74.7243, 94.7782



75.5650, 74.7243, 77.1056



69.5210, 74.7243, 69.2757



# Rectangle

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



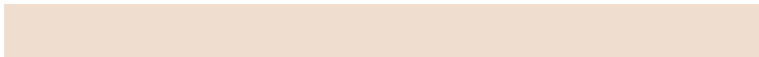
66.6671, 74.7243, 85.7724



69.3364, 74.7243, 94.5621



75.5650, 74.7243, 77.1056



72.7372, 74.7243, 69.4514

# Sweetspot

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



66.6693, 74.7274, 85.7741



91.3963, 98.1164, 108.7280



63.0591, 73.2984, 66.0840



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.



66.6693, 74.7274, 85.7741



82.3503, 93.4531, 108.3019



62.9240, 67.2362, 84.5280



14.8074, 16.3364, 18.5167



24.1042, 35.2738, 47.9103



1.7812, 2.6066, 3.5405



# Inverse Universe

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



64.0650, 62.8153, 64.0096



78.4809, 75.7539, 75.9639



67.4831, 69.6520, 65.1470



14.3771, 14.3680, 14.9204



18.4752, 9.5243, 0.8652

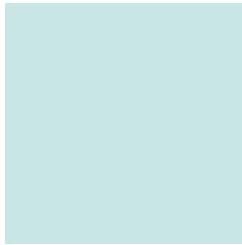


1.3653, 0.7038, 0.0641



# Previews

## White Background



This preview shows how the XYZ color 66.6671, 74.7243, 85.7724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

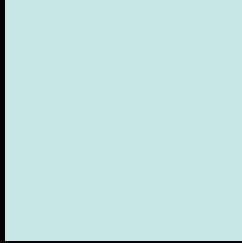
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6671, 74.7243, 85.7724 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

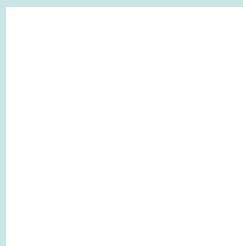
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.6671, 74.7243, 85.7724

## Background



This preview shows how black text looks on a background with the XYZ color 66.6671, 74.7243, 85.7724.



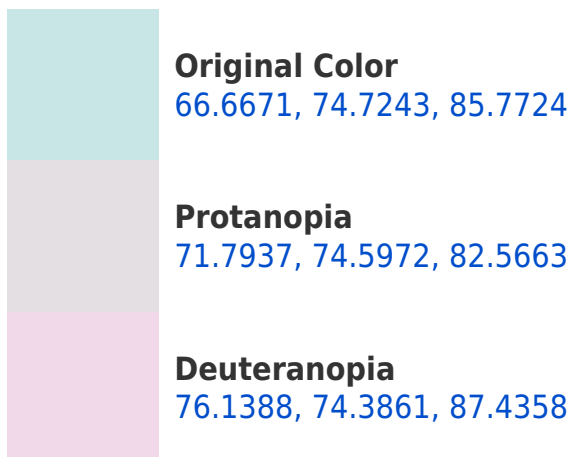
This preview shows how white text looks on a background with the XYZ color 66.6671, 74.7243,



# 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

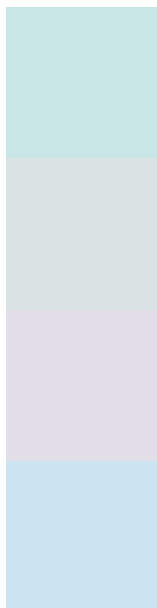




## Tritanopia

69.2798, 74.9780, 98.0095

# Trichromacy



## Original Color

66.6671, 74.7243, 85.7724

## Protanomaly

69.9749, 74.8442, 83.4313

## Deuteranomaly

72.3653, 74.3996, 86.8904

## Tritanomaly

68.3761, 75.0264, 93.3158

# Monochromacy



## Original Color

66.6671, 74.7243, 85.7724

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

67.8418, 72.9893, 81.0337

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6671, 74.7243, 85.7724 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, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(201, 230, 230)  
}
```

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, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 230, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6671, 74.7243, 85.7724 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, 230, 230) }
```



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

```
.border{ border-color:rgb(201, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 230, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 230, 230); box-shadow:4px 4px 4px 4px rgb(201, 230, 230) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6671, 74.7243, 85.7724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 230, 230) }
```

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

```
.background{ background-color: rgb(201,  
230, 230) }
```

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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