

# Converting Colors

XYZ(67.1000, 75.0427, 80.3751)

Have a look what the booklet for  
XYZ(67.1000, 75.0427, 80.3751)  
contains.

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# Color

**XYZ(66.9352, 74.9894,  
80.0538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE6DE
RGB	206, 230, 222
RGB Percent	81%, 90%, 87%
CMY	0.1922, 0.0980, 0.1294
CMYK	0.10, 0.00, 0.03, 0.10
HSL	160°, 32%, 85%
HSV	160°, 10%, 90%
XYZ	66.9352, 74.9894, 80.0538
YIQ	221.9120, -11.7360, -7.5760

# Conversions

## Conversions Part 2

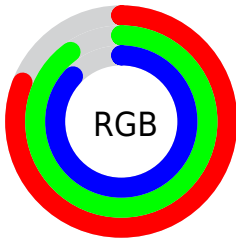
Format	Color
R <sub>Y</sub> B	206, 220, 230
Decimal	13559518
CIE Lab	89.39, -9.41, 1.19
CIE LCh	89, 9.489, 172.781
Yxy	74.9894, 0.3015, 0.3378
Android (android.graphics.Color)	4291749598 (0xFFCEE6DE)
YUV	221.9120, 0.0434, -13.9548
Hunter-Lab	86.5964, -13.5711, 5.8070

# Details

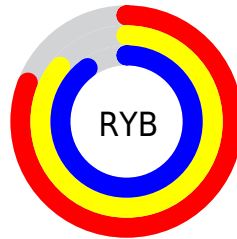
The XYZ color **66.9352, 74.9894, 80.0538** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8447, 65.8225, 72.8036**, and the grayscale version is **69.3764, 72.9894, 79.4855**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.0600, 39.7375, 42.3815** is the 20% darker color. If you saturate the color by 10%, you get **60.0071, 71.5360, 74.4864**, and if you desaturate by 10%, it is **74.8487, 78.9496, 85.9145**.

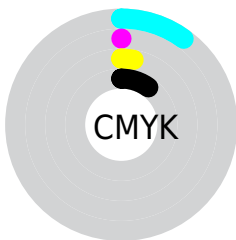
# Distribution



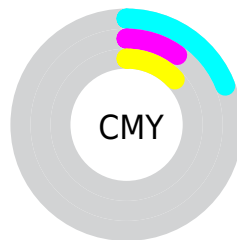
- Red (81%)
- Green (90%)
- Blue (87%)



- Red (81%)
- Yellow (86%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (19%)
- Magenta (10%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9352, 74.9894, 80.0538 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 66.9352, 74.9894, 80.0538 by changing the saturation by 10% instead.



■ 66.9352, 74.9894,  
80.0538

■ 66.9352, 74.9894,  
80.0538

439.1502,  
477.8811, 514.8257

■ 49.3025, 55.6042,  
59.2362

113.8779,  
126.2974, 135.2535

■ 35.0750, 39.8857,  
42.3820

143.9185,  
158.9889, 170.4726

■ 23.8874, 27.4494,  
29.0727

178.8258,  
196.8847, 211.3293

■ 15.3744, 17.9110,  
18.8898

218.9652,  
240.3691, 258.2422

■ 9.1706, 10.8861,  
11.4147

264.7020,  
289.8266, 311.6297

■ 4.9106, 5.9903,  
6.2288

316.4015,

■ 2.2291, 2.8392,

345.6415, 371.9104

2.9137

374.4291,  
408.1982, 439.5029

■ 0.7580, 1.0484,  
1.0507

■ 0.0000, 0.0000,  
0.0000

■ 66.9352, 74.9894,  
80.0538

■ 66.9352, 74.9894,  
80.0538

■ 60.0071, 71.5360,  
74.4864

■ 74.8487, 78.9496,  
85.9145

■ 54.0169, 68.5587,  
69.2022

■ 83.7798, 83.4267,  
92.0686

■ 48.9230, 66.0381,  
64.1977

■ 86.0210, 84.4496,  
98.1598

■ 44.6775, 63.9498,  
59.4671

■ 87.2166, 84.9278,  
104.4555

■ 41.2283, 62.2669,  
55.0046

■ 87.5883, 85.0765,  
106.4128

■ 38.5173, 60.9595,  
50.8041

■ 36.4779, 59.9934,  
46.8588

■ 35.0312, 59.3279,  
43.1614

■ 34.0741, 58.9068,  
39.8478

# Harmonies

## Analogous

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



67.7771, 74.9894, 74.1552



66.9352, 74.9894, 80.0538



67.2358, 74.9894, 86.7047

# Triad

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



66.9352, 74.9894, 80.0538



73.0187, 74.9894, 94.0217



74.0111, 74.9894, 71.8818

# Complementary

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



66.9352, 74.9894, 80.0538



66.8447, 65.8225, 72.8036

# 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.



75.4731, 74.9894, 76.7970



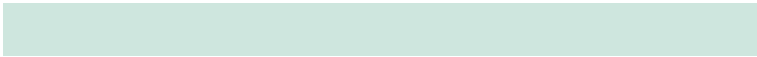
66.9352, 74.9894, 80.0538



74.8915, 74.9894, 89.6350

# Square

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



66.9352, 74.9894, 80.0538



70.7154, 74.9894, 95.0101



75.7988, 74.9894, 83.2687



71.8379, 74.9894, 69.6063

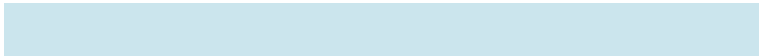


# Rectangle

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



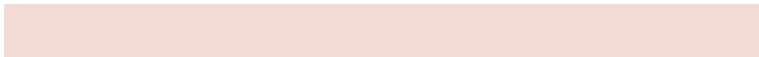
66.9352, 74.9894, 80.0538



68.0469, 74.9894, 90.6508



75.7988, 74.9894, 83.2687



74.6040, 74.9894, 73.2670

# Sweetspot

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



66.9373, 74.9926, 80.0555



91.8833, 98.4146, 106.6223



67.2883, 75.4096, 69.4025



19.4899, 20.9762, 22.6925



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.



66.9373, 74.9926, 80.0555



82.1593, 93.5543, 99.2732



67.0442, 73.4485, 85.5101



14.5924, 16.2504, 17.3845



19.3488, 33.3716, 22.8690



1.4725, 2.4831, 1.9147



# Inverse Universe

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



66.8447, 65.8225, 72.8036



82.0156, 79.3006, 88.0021



66.7240, 67.1771, 67.8432



14.5742, 14.4469, 15.9582



19.2779, 9.8454, 5.0926



1.4665, 0.7443, 0.5969



# Previews

## White Background



This preview shows how the XYZ color 66.9352, 74.9894, 80.0538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

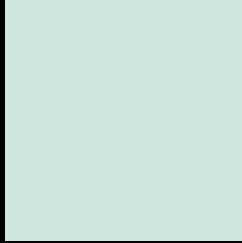
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9352, 74.9894, 80.0538 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

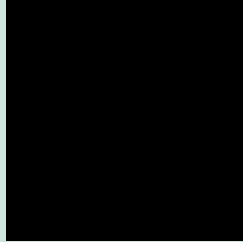
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

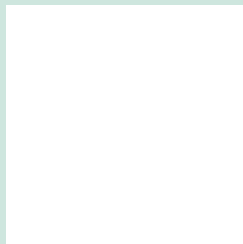
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.9352, 74.9894, 80.0538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.9352, 74.9894, 80.0538.



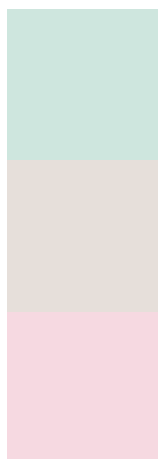
This preview shows how white text looks on a background with the XYZ color 66.9352, 74.9894,



# 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

66.9352, 74.9894, 80.0538

### Protanopia

71.6757, 74.6603, 76.9628

### Deuteranopia

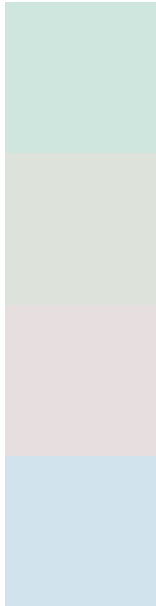
76.4095, 74.6548, 81.6168



## Tritanopia

70.5289, 75.2324, 97.1902

# Trichromacy



## Original Color

66.9352, 74.9894, 80.0538

## Protanomaly

69.8013, 74.8793, 77.7921

## Deuteranomaly

72.5308, 74.6133, 81.1000

## Tritanomaly

69.3240, 75.1565, 90.9737

# Monochromacy



## Original Color

66.9352, 74.9894, 80.0538

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.4289, 73.7233, 79.7307

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9352, 74.9894, 80.0538 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(206, 230, 222)` looks like.

```
.text, #text, p{  
    color:rgb(206, 230, 222)  
}
```

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(206, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 230, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9352, 74.9894, 80.0538 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(206, 230, 222) }
```



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

```
.border{ border-color:rgb(206, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(206, 230,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9352, 74.9894, 80.0538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 230, 222) }
```

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

```
.background{ background-color: rgb(206,  
230, 222) }
```

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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