

# Converting Colors

XYZ(66.9697, 74.0510, 84.1635)

Have a look what the booklet for  
XYZ(66.9697, 74.0510, 84.1635)  
contains.

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# Color

**XYZ(66.9238, 74.0674,  
84.1680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDE4E4
RGB	205, 228, 228
RGB Percent	80%, 89%, 89%
CMY	0.1961, 0.1059, 0.1059
CMYK	0.10, 0.00, 0.00, 0.11
HSL	180°, 30%, 85%
HSV	180°, 10%, 89%
XYZ	66.9238, 74.0674, 84.1680
YIQ	221.1230, -13.7080, -4.8760

# Conversions

## Conversions Part 2

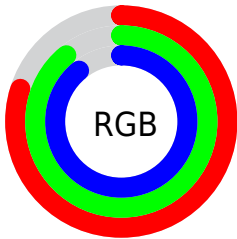
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 217, 228
Decimal	13493476
CIE <sub>Lab</sub>	88.95, -7.57, -2.60
CIE <sub>LCh</sub>	89, 8.002, 198.931
Yxy	74.0674, 0.2972, 0.3290
Android (android.graphics.Color)	4291683556 (0xFFCDE4E4)
YUV	221.1230, 3.3904, -14.1399
Hunter-Lab	86.0624, -11.8042, 2.2588

# Details

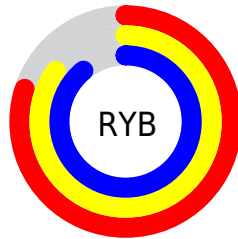
The XYZ color **66.9238, 74.0674, 84.1680** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.8483, 64.5663, 66.8055**, and the grayscale version is **68.7992, 72.3821, 78.8241**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2489, 39.4836, 45.2984** is the 20% darker color. If you saturate the color by 10%, you get **61.0871, 71.0605, 83.8939**, and if you desaturate by 10%, it is **73.6813, 77.5530, 84.4883**.

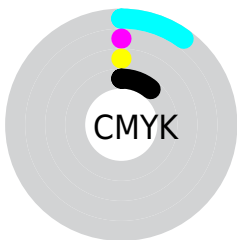
# Distribution



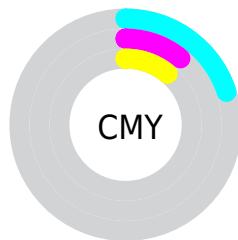
- Red (80%)
- Green (89%)
- Blue (89%)



- Red (80%)
- Yellow (85%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9238, 74.0674, 84.1680 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 66.9238, 74.0674, 84.1680 by changing the saturation by 10% instead.



■ 66.9238, 74.0674,  
84.1680

■ 66.9238, 74.0674,  
84.1680

439.1102,  
474.7060, 528.9436

■ 49.2932, 54.8492,  
62.6080

113.8616,  
124.9913, 141.0740

■ 35.0676, 39.2810,  
45.0852

143.8995,  
157.4659, 177.2570

■ 23.8817, 26.9784,  
31.1811

178.8039,  
195.1280, 219.1514

■ 15.3702, 17.5570,  
20.4772

218.9401,  
238.3621, 267.1758

■ 9.1676, 10.6324,  
12.5549

264.6735,  
287.5525, 321.7487

■ 4.9086, 5.8202,  
6.9956

316.3694,

■ 2.2280, 2.7361,

343.0837, 383.2886

3.3810

374.3932,  
405.3401, 452.2140

■ 0.7574, 0.9956,  
1.2923

■ 0.0000, 0.0000,  
0.0555

■ 66.9238, 74.0674,  
84.1680

■ 66.9238, 74.0674,  
84.1680

■ 61.0871, 71.0605,  
83.8939

■ 73.6813, 77.5530,  
84.4883

■ 56.1253, 68.5027,  
83.6592

■ 81.3902, 81.5270,  
84.8515

■ 51.9983, 66.3752,  
83.4636

■ 82.9900, 82.3517,  
84.9289

■ 48.6601, 64.6544,  
83.3049

■ 82.9905, 82.3519,  
84.9313

■ 46.0606, 63.3143,  
83.1808

■ 82.9910, 82.3521,  
84.9338

■ 44.1436, 62.3261,  
83.0886

■ 82.9915, 82.3523,  
84.9363

■ 42.8451, 61.6568,  
83.0254

■ 82.9919, 82.3525,  
84.9388

■ 42.0890, 61.2671,  
82.9875

■ 82.9924, 82.3526,  
84.9413

■ 41.7444, 61.0894,  
82.9689

■ 82.9929, 82.3528,  
84.9438

# Harmonies

## Analogous

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



66.7957, 74.0674, 78.6100



66.9238, 74.0674, 84.1680



67.9729, 74.0674, 88.9852

# Triad

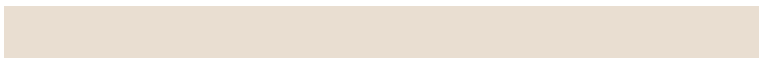
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.9238, 74.0674, 84.1680



73.2531, 74.0674, 87.8822



71.1186, 74.0674, 70.5956

# Complementary

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



66.9238, 74.0674, 84.1680



64.8483, 64.5663, 66.8055

# 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.



72.8819, 74.0674, 72.8463



66.9238, 74.0674, 84.1680



74.1293, 74.0674, 82.7185

# Square

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



66.9238, 74.0674, 84.1680



71.6178, 74.0674, 91.1967



73.9921, 74.0674, 77.2252



69.1938, 74.0674, 70.9436



# Rectangle

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



66.9238, 74.0674, 84.1680



69.0643, 74.0674, 91.0486



73.9921, 74.0674, 77.2252



71.7504, 74.0674, 71.0691

# Sweetspot

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



66.9259, 74.0705, 84.1696



92.2911, 98.5778, 108.7699



64.0477, 72.9314, 68.4602



19.6003, 21.0204, 23.2740



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

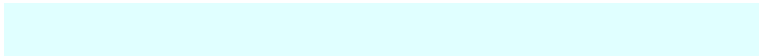


# Same Dimension

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



66.9259, 74.0705, 84.1696



84.6739, 94.6510, 108.4106



63.9653, 68.1485, 83.1851



14.8074, 16.3364, 18.5166



24.1036, 35.2735, 47.9071



1.7812, 2.6066, 3.5403

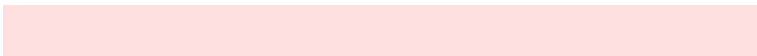


# Inverse Universe

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



64.8483, 64.5663, 66.8055



81.5128, 80.1904, 81.9911



67.6028, 70.0759, 67.7216



14.3771, 14.3680, 14.9205



18.4752, 9.5243, 0.8654

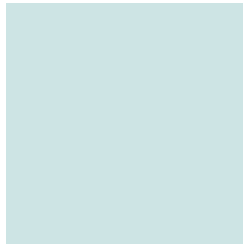


1.3653, 0.7038, 0.0641



# Previews

## White Background



This preview shows how the XYZ color 66.9238, 74.0674, 84.1680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

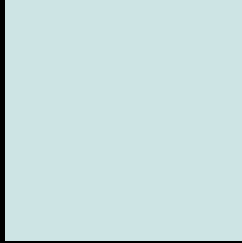
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9238, 74.0674, 84.1680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

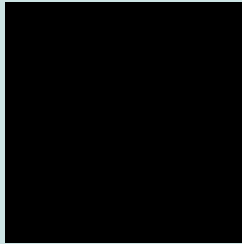
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

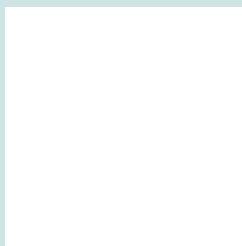
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.9238, 74.0674, 84.1680**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.9238, 74.0674, 84.1680.



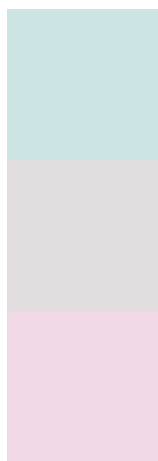
This preview shows how white text looks on a background with the XYZ color 66.9238, 74.0674,



# 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

66.9238, 74.0674, 84.1680

### Protanopia

70.9399, 73.7931, 81.0256

### Deuteranopia

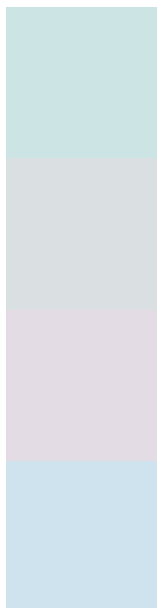
75.1144, 73.5257, 85.0958



## Tritanopia

69.5379, 74.3343, 96.2709

# Trichromacy



## Original Color

66.9238, 74.0674, 84.1680

## Protanomaly

69.1597, 73.6530, 81.8055

## Deuteranomaly

71.7310, 73.3375, 84.5037

## Tritanomaly

68.6338, 74.3766, 91.6277

# Monochromacy



## Original Color

66.9238, 74.0674, 84.1680

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.1345, 73.1402, 81.0474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9238, 74.0674, 84.1680 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(205, 228, 228) looks like.

```
.text, #text, p{  
    color:rgb(205, 228, 228)  
}
```

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(205, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 228, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9238, 74.0674, 84.1680 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(205, 228, 228) }
```



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

```
.border{ border-color:rgb(205, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(205, 228,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9238, 74.0674, 84.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 228, 228) }
```

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

```
.background{ background-color: rgb(205,  
228, 228) }
```

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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