

# Converting Colors

XYZ(66.9130, 76.5457, 72.3776)

Have a look what the booklet for  
XYZ(66.9130, 76.5457, 72.3776)  
contains.

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# Color

**XYZ(66.7842, 76.3409,  
72.1881)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D0E9D2
RGB	208, 233, 210
RGB Percent	82%, 91%, 82%
CMY	0.1843, 0.0863, 0.1765
CMYK	0.11, 0.00, 0.10, 0.09
HSL	125°, 36%, 86%
HSV	125°, 11%, 91%
XYZ	66.7842, 76.3409, 72.1881
YIQ	222.9030, -7.5170, -12.4530

# Conversions

## Conversions Part 2

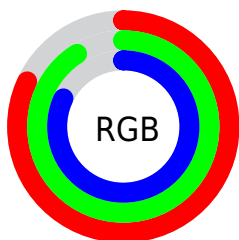
Format	Color
<a href="#">RYB</a>	<a href="#">208, 231, 233</a>
Decimal	<a href="#">13691346</a>
CIELab	<a href="#">90.02, -12.46, 8.39</a>
CIELCh	<a href="#">90, 15.025, 146.034</a>
Yxy	<a href="#">76.3409, 0.3102, 0.3546</a>
Android (android.graphics.Color)	<a href="#">4291881426</a> ( <a href="#">0xFFD0E9D2</a> )
YUV	<a href="#">222.9030, -6.3612, -13.0699</a>
Hunter-Lab	<a href="#">87.3733, -16.4659, 12.1757</a>

# Details

The XYZ color **66.7842, 76.3409, 72.1881** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5867, 68.2068, 85.0499**, and the grayscale version is **70.1197, 73.7714, 80.3371**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.8598, 40.6169, 37.4550** is the 20% darker color. If you saturate the color by 10%, you get **58.2141, 72.2132, 58.7674**, and if you desaturate by 10%, it is **76.6787, 81.1144, 87.5414**.

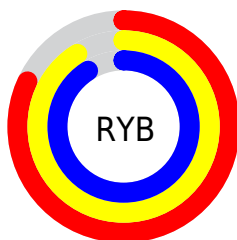
# Distribution



Red (82%)

Green (91%)

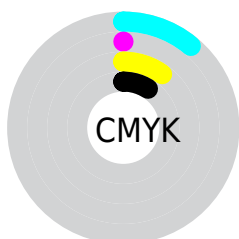
Blue (82%)



Red (82%)

Yellow (91%)

Blue (91%)

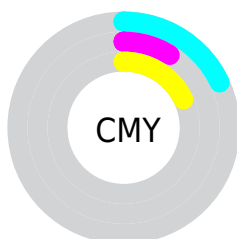


Cyan (11%)

Magenta (0%)

Yellow (10%)

Black (9%)



Cyan (18%)


Magenta (9%)


Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7842, 76.3409, 72.1881 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 66.7842, 76.3409, 72.1881 by changing the saturation by 10% instead.


 66.7842, 76.3409,  
72.1881

 66.7842, 76.3409,  
72.1881


438.6208,  
482.5139, 487.1912

 49.1793, 56.7121,  
52.8246


113.6626,  
128.2087, 124.0341

 34.9769, 40.7741,  
37.2760


143.6669,  
161.2164, 157.3537

 23.8115, 28.1426,  
25.1238


178.5350,  
199.4526, 196.1624

 15.3178, 18.4332,  
15.9494

218.6324,  
243.3016, 240.8787

 9.1305, 11.2615,  
9.3344

264.3243,  
293.1479, 291.9212

 4.8842, 6.2430,  
4.8602


315.9761,


 2.2135, 2.9934,


349.3757, 349.7084


2.1081


373.9531,  
412.3696, 414.6589


 0.7499, 1.1283,  
0.6206


 0.0000, 0.0019,  
0.0000

 66.7842, 76.3409,  
72.1881


 66.7842, 76.3409,  
72.1881


 58.2141, 72.2132,  
58.7674


 76.6787, 81.1144,  
87.5414

 50.9061, 68.6943,  
47.1980

 87.9440, 86.5494,  
104.8944

 44.8026, 65.7584,  
37.4001

 88.4304, 86.7608,  
106.6935

 39.8386, 63.3738,  
29.2864

■ 35.9433, 61.5061,  
22.7619

■ 33.0378, 60.1168,  
17.7225

■ 31.0323, 59.1621,  
14.0514

■ 29.8206, 58.5901,  
11.6145

■ 29.2549, 58.3266,  
10.3164

# Harmonies

## Analogous

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



69.4635, 76.3409, 66.0313



66.7842, 76.3409, 72.1881



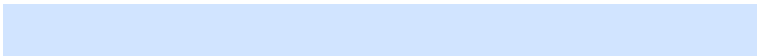
65.6513, 76.3409, 81.7126

# Triad

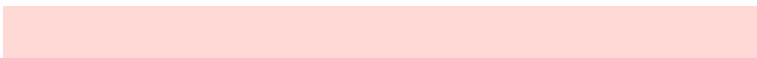
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.7842, 76.3409, 72.1881



72.0658, 76.3409, 105.2934



79.1826, 76.3409, 74.4465

# Complementary

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



66.7842, 76.3409, 72.1881



70.5867, 68.2068, 85.0499

# 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.



79.9365, 76.3409, 84.5481



66.7842, 76.3409, 72.1881



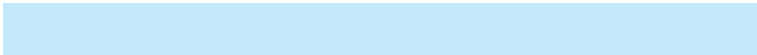
75.7466, 76.3409, 102.9338

# Square

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



66.7842, 76.3409, 72.1881



68.6340, 76.3409, 101.3076



78.6590, 76.3409, 95.1083



76.6324, 76.3409, 67.2548

# Rectangle

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



66.7842, 76.3409, 72.1881



65.8961, 76.3409, 88.9133



78.6590, 76.3409, 95.1083



79.6581, 76.3409, 77.5883

# Sweetspot

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



66.7863, 76.3442, 72.1898



91.1787, 98.1328, 102.9119



73.5901, 79.8802, 71.2152



19.3001, 20.9003, 21.6929



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

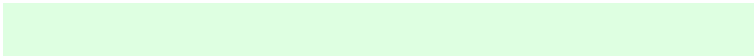


# Same Dimension

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



66.7863, 76.3442, 72.1898



79.3610, 92.4350, 84.5375



68.3609, 76.9740, 80.4814



14.9172, 16.8817, 16.2470



16.6166, 33.1011, 5.9463



1.3218, 2.6060, 0.5564



# Inverse Universe

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



70.5867, 68.2068, 85.0499



84.9473, 80.4733, 103.4405



68.9269, 67.5428, 76.3092



15.6598, 15.2918, 18.7597



26.0028, 12.6038, 37.4114

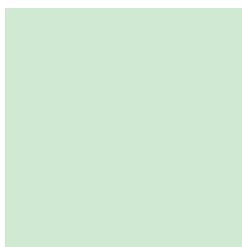


2.0573, 0.9959, 3.0190



# Previews

## White Background



This preview shows how the XYZ color 66.7842, 76.3409, 72.1881 looks on a white background.

## Color Contrast Check

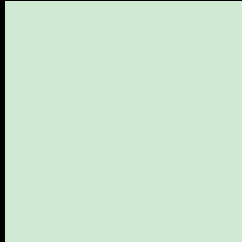
Large Text (above 18pt) WCAG AA × Fail

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 66.7842, 76.3409, 72.1881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

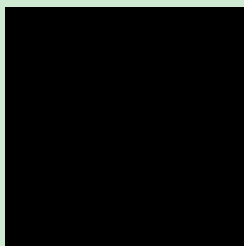
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

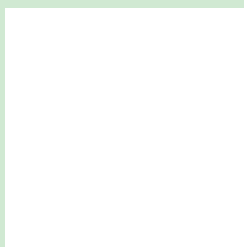
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.7842, 76.3409, 72.1881**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.7842, 76.3409, 72.1881.



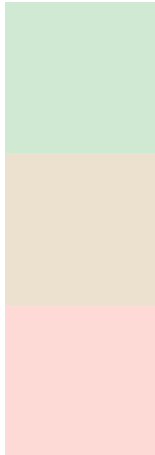
This preview shows how white text looks on a background with the XYZ color 66.7842, 76.3409,



# 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

66.7842, 76.3409, 72.1881

### Protanopia

72.3267, 75.9688, 69.2439

### Deuteranopia

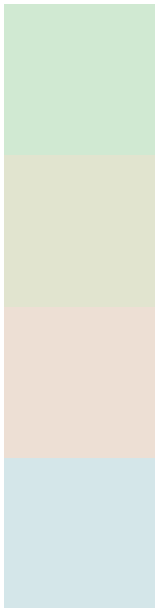
77.5897, 75.8296, 73.4979



## **Tritanopia**

72.1095, 76.4368, 98.1420

# Trichromacy



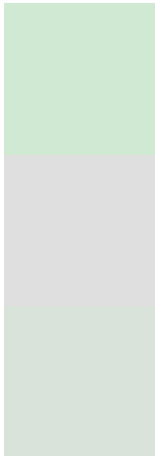
**Original Color**  
66.7842, 76.3409, 72.1881

**Protanomaly**  
70.0572, 75.9994, 70.0084

**Deuteranomaly**  
73.1964, 75.5333, 73.0089

**Tritanomaly**  
70.1562, 76.4739, 88.1541

# Monochromacy



**Original Color**  
66.7842, 76.3409, 72.1881

**Achromatopsia**  
70.1384, 73.7910, 80.3584

**Achromatomaly**  
69.0374, 74.9056, 77.1492

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.7842, 76.3409, 72.1881 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(208, 233, 210) looks like.

```
.text, #text, p{  
    color:rgb(208, 233, 210)  
}
```

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(208, 233, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 233, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 66.7842, 76.3409, 72.1881 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(208, 233, 210) }
```

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

```
.border{ border-color:rgb(208, 233, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 233, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 233, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 233, 210);  
box-shadow:4px 4px 4px 4px rgb(208, 233,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.7842, 76.3409, 72.1881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 233, 210) }
```

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

```
.background{ background-color: rgb(208,  
233, 210) }
```

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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