

# Converting Colors

XYZ(60.7704, 70.2717, 82.1505)

Have a look what the booklet for  
XYZ(60.7704, 70.2717, 82.1505)  
contains.

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# Color

**XYZ(60.6910, 70.0740,  
82.2784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E2E2
RGB	184, 226, 226
RGB Percent	72%, 89%, 89%
CMY	0.2784, 0.1137, 0.1137
CMYK	0.19, 0.00, 0.00, 0.11
HSL	180°, 42%, 80%
HSV	180°, 19%, 89%
XYZ	60.6910, 70.0740, 82.2784
YIQ	213.4420, -25.0320, -8.9040

# Conversions

## Conversions Part 2

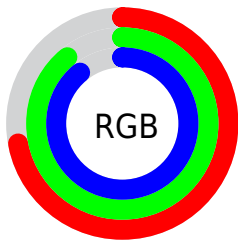
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 205, 226
Decimal	12116706
CIELab	87.03, -13.55, -4.52
CIELCh	87, 14.286, 198.465
Yxy	70.0740, 0.2849, 0.3289
Android (android.graphics.Color)	4290306786 (0xFFB8E2E2)
YUV	213.4420, 6.1911, -25.8206
Hunter-Lab	83.7102, -17.0780, 0.3213

# Details

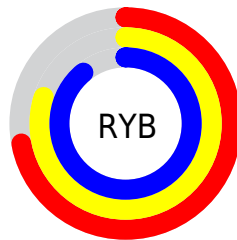
The XYZ color **60.6910, 70.0740, 82.2784** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.1587, 53.9124, 52.7439**, and the grayscale version is **63.5152, 66.8230, 72.7702**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **31.1195, 36.8119, 43.9933** is the 20% darker color. If you saturate the color by 10%, you get **55.7042, 67.5050, 82.0454**, and if you desaturate by 10%, it is **66.5468, 73.0946, 82.5550**.

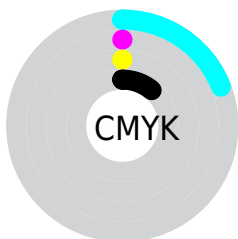
# Distribution



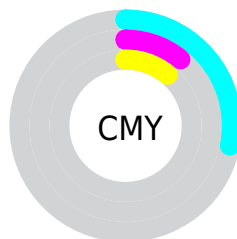
- Red (72%)
- Green (89%)
- Blue (89%)



- Red (72%)
- Yellow (80%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (28%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.6910, 70.0740, 82.2784 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 60.6910, 70.0740, 82.2784 by changing the saturation by 10% instead.



60.6910, 70.0740,  
82.2784

60.6910, 70.0740,  
82.2784

416.9342,  
460.8098, 522.4863

44.2274, 51.5869,  
61.0579

104.9321,  
119.3143, 138.4045

31.0480, 36.6759,  
43.8410

133.4402,  
150.8362, 174.1472

20.7874, 24.9566,  
30.2093

166.6940,  
187.4719, 215.5677

13.0803, 16.0448,  
19.7441

205.0587,  
229.6056, 263.0846

7.5612, 9.5558,  
12.0269

248.8998,  
277.6219, 317.1163

3.8649, 5.1055,  
6.6393

298.5824,

1.6260, 2.3093,

331.9051, 378.0815

3.1625

354.4721,  
392.8396, 446.3987

■ 0.4093, 0.7786,  
1.1782

■ 0.0000, 0.0000,  
0.0000

■ 60.6910, 70.0740,  
82.2784

■ 60.6910, 70.0740,  
82.2784

■ 55.7042, 67.5050,  
82.0454

■ 66.5468, 73.0946,  
82.5550

■ 51.5392, 65.3580,  
81.8494


■ 73.3037, 76.5779,  
82.8724


■ 48.1539, 63.6128,  
81.6898


■ 80.9998, 80.5453,  
83.2337

■ 45.4997, 62.2445,  
81.5645

■ 82.1661, 81.1466,  
83.2893


 43.5227, 61.2254,  
81.4709


 82.1663, 81.1466,  
83.2905


 42.1619, 60.5239,  
81.4061


 82.1665, 81.1467,  
83.2916


 41.3447, 60.1026,  
81.3667

 82.1667, 81.1468,  
83.2927

 40.9636, 59.9062,  
81.3478

 82.1670, 81.1469,  
83.2938

 40.9235, 59.8855,  
81.3457

 82.1672, 81.1470,  
83.2950

# Harmonies

## Analogous

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



60.5022, 70.0740, 72.6767



60.6910, 70.0740, 82.2784



62.4317, 70.0740, 90.9234

# Triad

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



60.6910, 70.0740, 82.2784



71.5311, 70.0740, 89.1664



67.8968, 70.0740, 59.6471

# Complementary

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



60.6910, 70.0740, 82.2784



57.1587, 53.9124, 52.7439

# 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.



70.9565, 70.0740, 63.3328



60.6910, 70.0740, 82.2784



73.1012, 70.0740, 80.0390

# Square

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



60.6910, 70.0740, 82.2784



68.6597, 70.0740, 95.1238



72.8875, 70.0740, 70.6159



64.5882, 70.0740, 60.1371

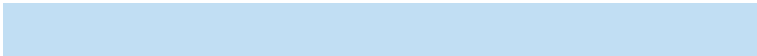


# Rectangle

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



60.6910, 70.0740, 82.2784



64.2717, 70.0740, 94.7336



72.8875, 70.0740, 70.6159



68.9905, 70.0740, 60.4254

# Sweetspot

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



60.6930, 70.0769, 82.2800



89.6432, 97.2127, 108.6461



55.7855, 68.1333, 55.5596



19.0671, 20.7455, 23.2491



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.



60.6930, 70.0769, 82.2800



77.3360, 90.8682, 108.0678



55.4959, 59.6819, 80.5495



14.1166, 15.5724, 17.6492



23.3459, 34.1632, 46.4058



1.6182, 2.3680, 3.2167



# Inverse Universe

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



57.1587, 53.9124, 52.7439



71.9381, 66.1799, 62.9568



61.6825, 62.9604, 54.2504



13.7073, 13.7006, 14.2290



17.8933, 9.2243, 0.8377

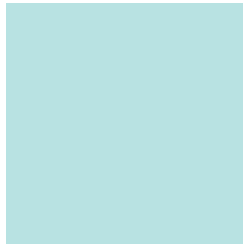


1.2403, 0.6394, 0.0581



# Previews

## White Background



This preview shows how the XYZ color 60.6910, 70.0740, 82.2784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

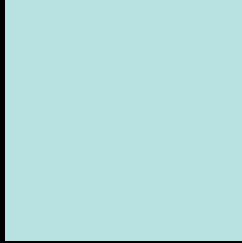
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.6910, 70.0740, 82.2784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

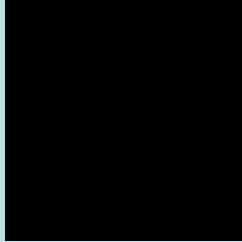
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

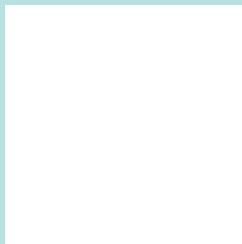
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.6910, 70.0740, 82.2784

## Background



This preview shows how black text looks on a background with the XYZ color 60.6910, 70.0740, 82.2784.



This preview shows how white text looks on a background with the XYZ color 60.6910, 70.0740,



# 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

60.6910, 70.0740, 82.2784

### Protanopia

66.9893, 69.4947, 77.5932

### Deuteranopia

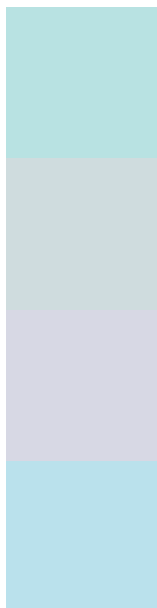
71.0414, 69.5693, 83.8127



## Tritanopia

63.0264, 70.2270, 93.4524

# Trichromacy



## Original Color

60.6910, 70.0740, 82.2784

## Protanomaly

64.5101, 69.7257, 79.1656

## Deuteranomaly

66.5838, 69.1602, 83.2387

## Tritanomaly

62.3152, 70.3457, 89.6506

# Monochromacy



## Original Color

60.6910, 70.0740, 82.2784

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.0834, 67.7613, 76.1368

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.6910, 70.0740, 82.2784 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(184, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(184, 226, 226)  
}
```

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(184, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 226, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 60.6910, 70.0740, 82.2784 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(184, 226, 226) }
```



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

```
.border{ border-color:rgb(184, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(184, 226,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.6910, 70.0740, 82.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 226, 226) }
```

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

```
.background{ background-color: rgb(184,  
226, 226) }
```

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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