

# Converting Colors

XYZ(60.2181, 70.3290, 82.8694)

Have a look what the booklet for  
XYZ(60.2181, 70.3290, 82.8694)  
contains.

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# Color

**XYZ(60.1566, 70.1875,  
83.0500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E3E3
RGB	180, 227, 227
RGB Percent	71%, 89%, 89%
CMY	0.2941, 0.1098, 0.1098
CMYK	0.21, 0.00, 0.00, 0.11
HSL	180°, 46%, 80%
HSV	180°, 21%, 89%
XYZ	60.1566, 70.1875, 83.0500
YIQ	212.9470, -28.0120, -9.9640

# Conversions

## Conversions Part 2

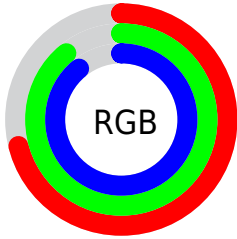
Format	Color
<b>RYB</b>	180, 204, 227
Decimal	11854819
CIELab	87.09, -15.06, -5.00
CIELCh	87, 15.865, 198.357
Yxy	70.1875, 0.2819, 0.3289
Android (android.graphics.Color)	4290044899 (0xFFB4E3E3)
YUV	212.9470, 6.9281, -28.8945
Hunter-Lab	83.7780, -18.4399, -0.1302

# Details

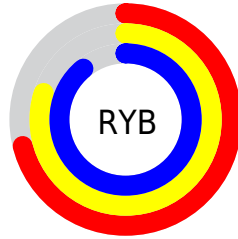
The XYZ color **60.1566, 70.1875, 83.0500** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.2405, 52.2707, 50.3080**, and the grayscale version is **63.1806, 66.4709, 72.3868**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **30.8031, 36.9192, 44.5324** is the 20% darker color. If you saturate the color by 10%, you get **55.2991, 67.6852, 82.8231**, and if you desaturate by 10%, it is **65.8836, 73.1417, 83.3205**.

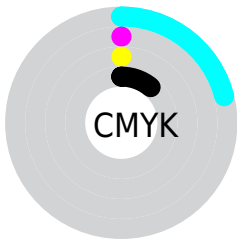
# Distribution



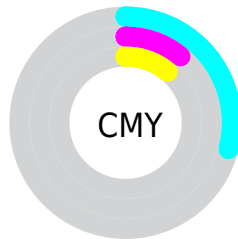
- Red (71%)
- Green (89%)
- Blue (89%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1566, 70.1875, 83.0500 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 60.1566, 70.1875, 83.0500 by changing the saturation by 10% instead.



60.1566, 70.1875,  
83.0500

60.1566, 70.1875,  
83.0500

415.0002,  
461.2081, 525.1285

43.7948, 51.6794,  
61.6906

104.1619,  
119.4761, 139.4953

30.7064, 36.7496,  
44.3485

132.5360,  
151.0254, 175.4183

20.5261, 25.0137,  
30.6054

165.6451,  
187.6906, 217.0329

12.8886, 16.0872,  
20.0426

203.8543,  
229.8560, 264.7576

7.4283, 9.5859,  
12.2416

247.5291,  
277.9060, 319.0110

3.7801, 5.1253,  
6.7839


297.0347,

1.5785, 2.3210,


332.2252, 380.2115


3.2510


352.7367,  
393.1977, 448.7779


 0.3783, 0.7848,  
1.2242


 0.0000, 0.0000,  
0.0000


 60.1566, 70.1875,  
83.0500


 60.1566, 70.1875,  
83.0500


 55.2991, 67.6852,  
82.8231


 65.8836, 73.1417,  
83.3205


 51.2630, 65.6045,  
82.6332


 72.5133, 76.5594,  
83.6318


 48.0046, 63.9248,  
82.4797


 80.0845, 80.4625,  
83.9872


 45.4740, 62.6203,  
82.3603


 82.5764, 81.7471,  
84.1048


 43.6153, 61.6621,  
82.2723


 82.5766, 81.7472,  
84.1058


 42.3646, 61.0174,  
82.2127


 82.5768, 81.7472,  
84.1068

 41.6457, 60.6467,  
82.1781

 82.5770, 81.7473,  
84.1079

 41.3341, 60.4862,  
82.1626

 82.5772, 81.7474,  
84.1089

 82.5774, 81.7475,  
84.1099

# Harmonies

## Analogous

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



59.9547, 70.1875, 72.3665



60.1566, 70.1875, 83.0500



62.0749, 70.1875, 92.7576

# Triad

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



60.1566, 70.1875, 83.0500



72.1946, 70.1875, 90.8425



68.1635, 70.1875, 58.0807

# Complementary

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



60.1566, 70.1875, 83.0500



56.2405, 52.2707, 50.3080

# 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.



71.5726, 70.1875, 62.1270



60.1566, 70.1875, 83.0500



73.9570, 70.1875, 80.6268

# Square

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



60.1566, 70.1875, 83.0500



68.9869, 70.1875, 97.5364



73.7252, 70.1875, 70.1569



64.4860, 70.1875, 58.5988

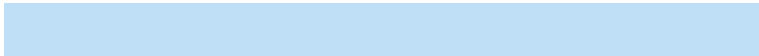


# Rectangle

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



60.1566, 70.1875, 83.0500



64.1103, 70.1875, 97.0650



73.7252, 70.1875, 70.1569



69.3813, 70.1875, 58.9356

# Sweetspot

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



60.1586, 70.1904, 83.0516



89.6433, 97.2127, 108.6462



54.7147, 68.0339, 53.4295



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.



60.1586, 70.1904, 83.0516



75.3582, 89.8486, 107.9751



54.3498, 58.5721, 81.1173



14.8075, 16.3364, 18.5169



24.1051, 35.2742, 47.9154



1.7813, 2.6066, 3.5408



# Inverse Universe

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



56.2405, 52.2707, 50.3080



69.3573, 62.4035, 57.8264



61.2084, 62.2068, 51.9625



14.3771, 14.3680, 14.9202



18.4751, 9.5243, 0.8649

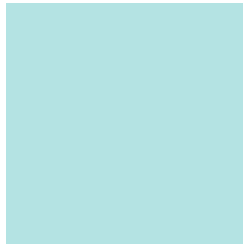


1.3653, 0.7038, 0.0640



# Previews

## White Background



This preview shows how the XYZ color 60.1566, 70.1875, 83.0500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

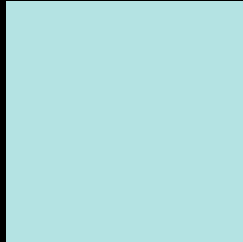
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.1566, 70.1875, 83.0500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

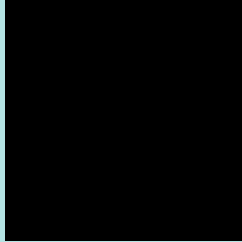
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

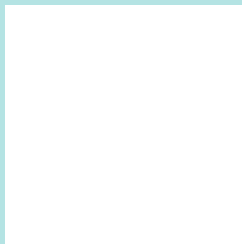
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.1566, 70.1875, 83.0500

## Background



This preview shows how black text looks on a background with the XYZ color 60.1566, 70.1875, 83.0500.



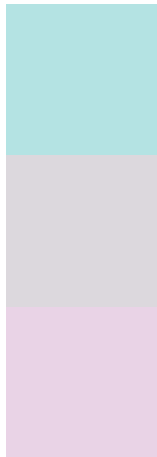
This preview shows how white text looks on a background with the XYZ color 60.1566, 70.1875,



# 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

60.1566, 70.1875, 83.0500

### Protanopia

67.1222, 69.5478, 78.2930

### Deuteranopia

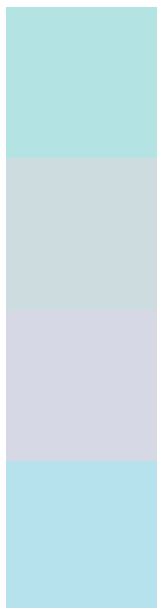
71.1815, 69.6253, 84.5503



## **Tritanopia**

62.6313, 70.3888, 95.0794

# Trichromacy



## Original Color

60.1566, 70.1875, 83.0500

## Protanomaly

64.0893, 69.4932, 79.8477

## Deuteranomaly

66.6873, 69.5790, 84.0440

## Tritanomaly

61.7738, 70.4522, 90.4636

# Monochromacy



## Original Color

60.1566, 70.1875, 83.0500

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

61.8137, 67.6223, 76.1241

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.1566, 70.1875, 83.0500 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(180, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(180, 227, 227)  
}
```

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(180, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 227, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 60.1566, 70.1875, 83.0500 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(180, 227, 227) }
```



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

```
.border{ border-color:rgb(180, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 227, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 227, 227); box-shadow:4px 4px 4px 4px rgb(180, 227, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.1566, 70.1875, 83.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 227, 227) }
```

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

```
.background{ background-color: rgb(180,  
227, 227) }
```

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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