

Converting Colors

XYZ(48.6642, 62.0748, 78.0324)

Have a look what the booklet for
XYZ(48.6642, 62.0748, 78.0324)
contains.

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Color

**XYZ(48.5805, 61.9199,
77.7979)**

Conversions

Conversions Part 1

Format	Color
Hex	85DDDD
RGB	133, 221, 221
RGB Percent	52%, 87%, 87%
CMY	0.4784, 0.1333, 0.1333
CMYK	0.40, 0.00, 0.00, 0.13
HSL	180°, 56%, 69%
HSV	180°, 40%, 87%
XYZ	48.5805, 61.9199, 77.7979
YIQ	194.6880, -52.4480, -18.6560

Conversions

Conversions Part 2

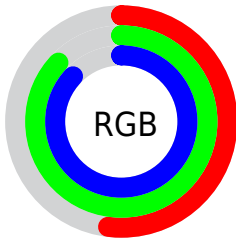
Format	Color
RYB	133, 177, 221
Decimal	8773085
CIELab	82.87, -26.40, -8.33
CIELCh	83, 27.680, 197.519
Yxy	61.9199, 0.2580, 0.3288
Android (android.graphics.Color)	4286963165 (0xFF85DDDD)
YUV	194.6880, 12.9718, -54.1004
Hunter-Lab	78.6892, -27.5052, -3.5360

Details

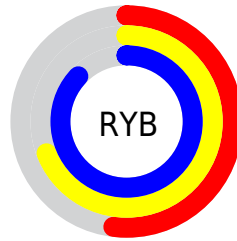
The XYZ color **48.5805, 61.9199, 77.7979** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.4421, 33.8426, 26.4880**, and the grayscale version is **51.6354, 54.3244, 59.1593**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **23.4996, 31.5621, 40.9299** is the 20% darker color. If you saturate the color by 10%, you get **45.4522, 60.3087, 77.6525**, and if you desaturate by 10%, it is **52.4465, 63.9144, 77.9806**.

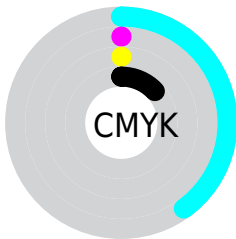
Distribution



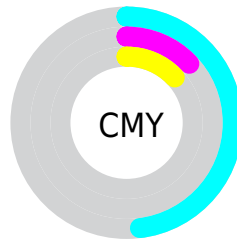
- Red (52%)
- Green (87%)
- Blue (87%)



- Red (52%)
- Yellow (69%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)





- Cyan (48%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5805, 61.9199, 77.7979 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 48.5805, 61.9199, 77.7979 by changing the saturation by 10% instead.


 48.5805, 61.9199,
77.7979


 48.5805, 61.9199,
77.7979


371.6329,
431.6389, 506.9899


 34.5000, 44.9680,
57.3925


 87.2726, 107.6098,
132.0485

 23.4427, 31.4322,
40.9090


 112.6148,
137.1165, 166.7307

 15.0432, 20.9282,
27.9288


 142.4417,
171.5769, 207.0090

 8.9362, 13.0715,
18.0334

177.1186,
211.3755, 253.3019

 4.7564, 7.4778,
10.8043

217.0108,
256.8966, 306.0279

 2.1383, 3.7627,
5.8229

262.4836,

 0.7099, 1.5417,

308.5246, 365.6055

2.6706

313.9026,
366.6439, 432.4533

■ 0.0000, 0.3178,
0.9286

■ 0.0000, 0.0000,
0.0000

■ 48.5805, 61.9199,
77.7979

■ 48.5805, 61.9199,
77.7979

■ 45.4522, 60.3087,
77.6525

■ 52.4465, 63.9144,
77.9806

■ 43.0096, 59.0495,
77.5378

■ 57.0871, 66.3067,
78.1981

■ 41.2030, 58.1182,
77.4528

■ 62.5433, 69.1195,
78.4539

■ 39.9733, 57.4842,
77.3949

■ 68.8516, 72.3715,
78.7495

■ 39.2505, 57.1116,
77.3607

■ 76.0462, 76.0805,
79.0866

■ 38.9134, 56.9379,
77.3445

■ 80.1493, 78.1956,
79.2790

■ 38.9084, 56.9353,
77.3442

■ 80.1493, 78.1957,
79.2794

■ 80.1494, 78.1957,
79.2798

■ 80.1495, 78.1957,
79.2802

Harmonies

Analogous

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



48.3513, 61.9199, 60.5686



48.5805, 61.9199, 77.7979



51.4431, 61.9199, 94.6585

Triad

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



48.5805, 61.9199, 77.7979



67.7221, 61.9199, 92.1217



61.3663, 61.9199, 40.1687

Complementary

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



48.5805, 61.9199, 77.7979



42.4421, 33.8426, 26.4880

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.



66.9424, 61.9199, 45.9834



48.5805, 61.9199, 77.7979



70.7749, 61.9199, 74.7700

Square

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



48.5805, 61.9199, 77.7979



62.3730, 61.9199, 103.8399



70.4802, 61.9199, 58.0091



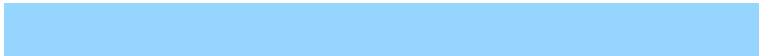
55.4680, 61.9199, 40.7001

Rectangle

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



48.5805, 61.9199, 77.7979



54.5760, 61.9199, 102.5483



70.4802, 61.9199, 58.0091



63.3478, 61.9199, 41.3987

Sweetspot

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



48.5823, 61.9223, 77.7993



84.6745, 94.6512, 108.4138



39.9981, 58.5156, 31.3783



17.9045, 20.1462, 23.1947



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.



48.5823, 61.9223, 77.7993



63.4193, 83.6938, 107.4171



38.7394, 42.2360, 74.5198



13.4449, 14.8296, 16.8058



22.6016, 33.0732, 44.9287



1.4642, 2.1426, 2.9107

Inverse Universe

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



42.4421, 33.8426, 26.4880



53.7791, 39.6082, 26.8575



49.4886, 47.9359, 28.8360



13.0561, 13.0515, 13.5567



17.3222, 8.9299, 0.8108



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 48.5805, 61.9199, 77.7979 looks on a white background.

Color Contrast Check

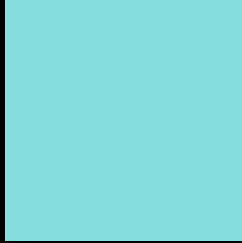
Large Text (above 18pt) WCAG AA × Fail

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 48.5805, 61.9199, 77.7979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

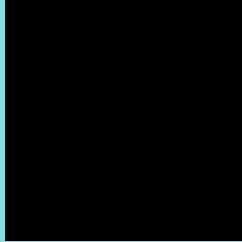
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5805, 61.9199, 77.7979

Background



This preview shows how black text looks on a background with the XYZ color 48.5805, 61.9199, 77.7979.

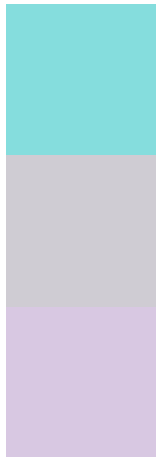


This preview shows how white text looks on a background with the XYZ color 48.5805, 61.9199,

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

48.5805, 61.9199, 77.7979

Protanopia

59.0829, 61.1543, 70.3180

Deuteranopia

62.7006, 61.3985, 80.4979



Tritanopia

50.7884, 62.0375, 88.6545

Trichromacy



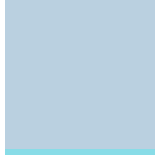
Original Color

48.5805, 61.9199, 77.7979



Protanomaly

54.1347, 60.7028, 73.1536



Deuteranomaly

56.2601, 60.9327, 79.3170



Tritanomaly

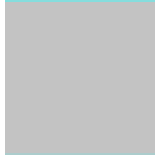
50.1703, 62.1902, 84.9610

Monochromacy



Original Color

48.5805, 61.9199, 77.7979



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.5052, 56.3160, 65.3876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5805, 61.9199, 77.7979 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(133, 221, 221)` looks like.

```
.text, #text, p{  
    color:rgb(133, 221, 221)  
}
```

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(133, 221, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 221, 221) }
```

Border

The CSS property to change the border of an element to XYZ 48.5805, 61.9199, 77.7979 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(133, 221, 221) }
```


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

```
.border{ border-color:rgb(133, 221, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 221, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 221, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 221, 221);  
box-shadow:4px 4px 4px 4px rgb(133, 221,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5805, 61.9199, 77.7979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 221, 221) }
```

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

```
.background{ background-color: rgb(133,  
221, 221) }
```

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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