

Converting Colors

XYZ(48.5343, 61.1759, 79.5207)

Have a look what the booklet for
XYZ(48.5343, 61.1759, 79.5207)
contains.

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Color

**XYZ(48.4589, 61.0314,
79.7472)**

Conversions

Conversions Part 1

Format	Color
Hex	85DBE0
RGB	133, 219, 224
RGB Percent	52%, 86%, 88%
CMY	0.4784, 0.1412, 0.1216
CMYK	0.41, 0.02, 0.00, 0.12
HSL	183°, 59%, 70%
HSV	183°, 41%, 88%
XYZ	48.4589, 61.0314, 79.7472
YIQ	193.8560, -52.8610, -16.6770

Conversions

Conversions Part 2

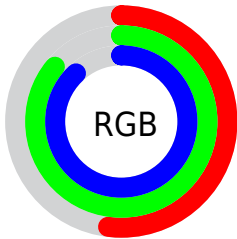
Format	Color
RYB	133, 177, 224
Decimal	8772576
CIELab	82.40, -24.68, -10.63
CIELCh	82, 26.875, 203.306
Yxy	61.0314, 0.2561, 0.3225
Android (android.graphics.Color)	4286962656 (0xFF85DBE0)
YUV	193.8560, 14.8610, -53.3707
Hunter-Lab	78.1226, -25.9922, -5.8372

Details

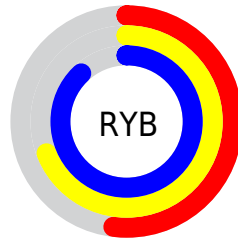
The XYZ color **48.4589, 61.0314, 79.7472** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.0635, 35.7184, 26.7636**, and the grayscale version is **51.1318, 53.7947, 58.5824**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **23.4174, 30.9520, 42.2762** is the 20% darker color. If you saturate the color by 10%, you get **44.9733, 58.7612, 79.4938**, and if you desaturate by 10%, it is **52.7046, 63.6998, 80.0395**.

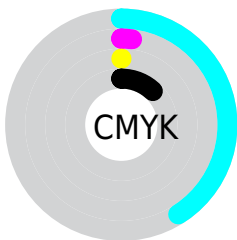
Distribution



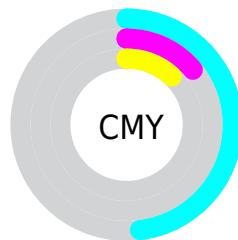
- Red (52%)
- Green (86%)
- Blue (88%)



- Red (52%)
- Yellow (69%)
- Blue (88%)



- Cyan (41%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4589, 61.0314, 79.7472 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 48.4589, 61.0314, 79.7472 by changing the saturation by 10% instead.

48.4589, 61.0314,
79.7472

48.4589, 61.0314,
79.7472

371.1606,
428.3891, 513.7648

34.4032, 44.2505,
58.9854

87.0928, 106.3244,
134.8184

23.3679, 30.8675,
42.1814

112.4018,
135.6053, 169.9650

14.9876, 20.4980,
28.9168

142.1925,
169.8217, 210.7435

8.8969, 12.7575,
18.7728

176.8304,
209.3579, 257.5725

4.7306, 7.2618,
11.3311

216.6808,
254.5983, 310.8706

2.1232, 3.6264,
6.1730

262.1091,

0.7018, 1.4668,

305.9274, 371.0563

2.8801

313.4806,
363.7296, 438.5482

■ 0.0000, 0.2652,
1.0337

■ 0.0000, 0.0000,
0.0000

■ 48.4589, 61.0314,
79.7472

■ 48.4589, 61.0314,
79.7472

■ 44.9733, 58.7612,
79.4938

■ 52.7046, 63.6998,
80.0395

■ 42.1939, 56.8572,
79.2728


■ 57.7491, 66.7821,
80.3686


■ 40.0685, 55.2938,
79.0830


■ 63.6349, 70.3017,
80.7377


■ 38.5356, 54.0394,
78.9217


■ 70.3998, 74.2780,
81.1487


 37.5213, 53.0558,
78.7853


 78.0796, 78.7295,
81.6031

 36.9231, 52.3186,
78.6745

 81.9960, 81.2444,
81.8821

 82.3325, 81.9174,
81.9943

 82.6714, 82.5952,
82.1073

 83.0127, 83.2778,
82.2211

Harmonies

Analogous

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



47.7312, 61.0314, 62.8390



48.4589, 61.0314, 79.7472



51.6656, 61.0314, 95.1288

Triad

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



48.4589, 61.0314, 79.7472



67.3075, 61.0314, 87.1668



59.3035, 61.0314, 39.7629

Complementary

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



48.4589, 61.0314, 79.7472



44.0635, 35.7184, 26.7636

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.



64.8505, 61.0314, 44.2101



48.4589, 61.0314, 79.7472



69.6644, 61.0314, 70.2026

Square

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



48.4589, 61.0314, 79.7472



62.4817, 61.0314, 99.8819



68.7369, 61.0314, 54.7247



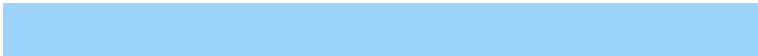
53.7541, 61.0314, 41.4635

Rectangle

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



48.4589, 61.0314, 79.7472



54.8981, 61.0314, 101.5255



68.7369, 61.0314, 54.7247



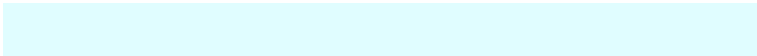
61.2343, 61.0314, 40.5604

Sweetspot

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



48.4607, 61.0338, 79.7486



84.1408, 93.5837, 108.2365



40.8847, 60.1210, 33.3253



17.7779, 19.8929, 23.1527



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.



48.4607, 61.0338, 79.7486



60.8733, 79.1893, 106.6844



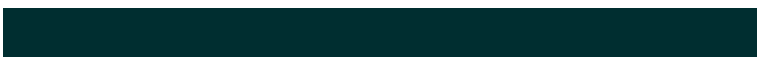
38.2551, 40.6226, 76.3468



14.0487, 15.4366, 17.6268



21.5199, 30.5094, 45.8030



1.5116, 2.1547, 3.1815

Inverse Universe

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



51.9157, 37.7383, 71.5684



66.1939, 44.0244, 93.9277



51.9191, 51.4297, 29.3822



14.2608, 13.9220, 17.1436



24.8025, 11.9880, 37.2211



1.7292, 0.8350, 2.6330

Previews

White Background



This preview shows how the XYZ color 48.4589, 61.0314, 79.7472 looks on a white background.

Color Contrast Check

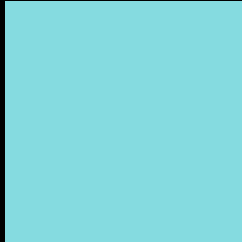
Large Text (above 18pt) WCAG AA × Fail

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 48.4589, 61.0314, 79.7472 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 48.4589, 61.0314, 79.7472

Background



This preview shows how black text looks on a background with the XYZ color 48.4589, 61.0314, 79.7472.



This preview shows how white text looks on a background with the XYZ color 48.4589, 61.0314,

79.7472.

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

48.4589, 61.0314, 79.7472

Protanopia

58.6704, 60.5460, 72.2126

Deuteranopia

61.5784, 60.4453, 81.8204



Tritanopia

49.9616, 60.8581, 87.7108

Trichromacy



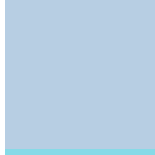
Original Color

48.4589, 61.0314, 79.7472



Protanomaly

54.0458, 60.2466, 75.1099



Deuteranomaly

55.4649, 59.7559, 81.2838



Tritanomaly

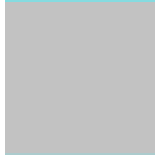
49.4869, 61.0632, 84.7795

Monochromacy



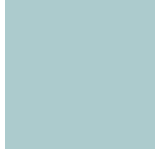
Original Color

48.4589, 61.0314, 79.7472



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

49.3886, 55.8903, 65.9425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4589, 61.0314, 79.7472 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, 219, 224)` looks like.

```
.text, #text, p{  
    color:rgb(133, 219, 224)  
}
```

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, 219, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 219, 224) }
```

Border

The CSS property to change the border of an element to XYZ 48.4589, 61.0314, 79.7472 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, 219, 224) }
```


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

```
.border{ border-color:rgb(133, 219, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 219, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 219, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 219, 224);  
box-shadow:4px 4px 4px 4px rgb(133, 219,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4589, 61.0314, 79.7472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 219, 224) }
```

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

```
.background{ background-color: rgb(133,  
219, 224) }
```

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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