

Converting Colors

XYZ(48.7026, 61.4036, 76.6172)

Have a look what the booklet for
XYZ(48.7026, 61.4036, 76.6172)
contains.

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Color

**XYZ(48.5989, 61.1808,
76.2655)**

Conversions

Conversions Part 1

Format	Color
Hex	8ADBDB
RGB	138, 219, 219
RGB Percent	54%, 86%, 86%
CMY	0.4588, 0.1412, 0.1412
CMYK	0.37, 0.00, 0.00, 0.14
HSL	180°, 53%, 70%
HSV	180°, 37%, 86%
XYZ	48.5989, 61.1808, 76.2655
YIQ	194.7810, -48.2760, -17.1720

Conversions

Conversions Part 2

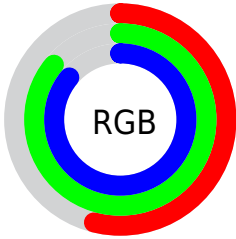
Format	Color
RYB	138, 179, 219
Decimal	9100251
CIELab	82.48, -24.64, -7.83
CIELCh	82, 25.858, 197.630
Yxy	61.1808, 0.2612, 0.3288
Android (android.graphics.Color)	4287290331 (0xFF8ADBDB)
YUV	194.7810, 11.9400, -49.7969
Hunter-Lab	78.2182, -25.9753, -3.0572

Details

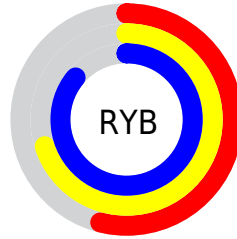
The XYZ color **48.5989, 61.1808, 76.2655** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.8914, 35.0737, 28.5562**, and the grayscale version is **51.6947, 54.3868, 59.2273**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **23.4560, 31.0251, 39.8741** is the 20% darker color. If you saturate the color by 10%, you get **45.3350, 59.4997, 76.1136**, and if you desaturate by 10%, it is **52.5970, 63.2434, 76.4544**.

Distribution



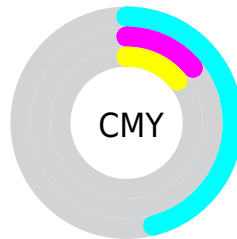
- Red (54%)
- Green (86%)
- Blue (86%)



- Red (54%)
- Yellow (70%)
- Blue (86%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5989, 61.1808, 76.2655 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 48.5989, 61.1808, 76.2655 by changing the saturation by 10% instead.

48.5989, 61.1808,
76.2655

48.5989, 61.1808,
76.2655

371.7043,
428.9366, 501.6271

34.5146, 44.3711,
56.1423

87.2998, 106.5407,
129.8657

23.4540, 30.9624,
39.9123

112.6470,
135.8596, 164.1797

15.0516, 20.5702,
27.1569

142.4794,
170.1171, 204.0611

8.9422, 12.8102,
17.4576

177.1621,
209.6976, 249.9283

4.7603, 7.2980,
10.3959

217.0607,
254.9854, 302.2000

2.1406, 3.6491,
5.5532

262.5403,

0.7112, 1.4793,

306.3649, 361.2947

2.5110

313.9664,
364.2205, 427.6308

■ 0.0000, 0.2741,
0.8460

■ 0.0000, 0.0000,
0.0000

■ 48.5989, 61.1808,
76.2655

■ 48.5989, 61.1808,
76.2655

■ 45.3350, 59.4997,
76.1136

■ 52.5970, 63.2434,
76.4544

■ 42.7556, 58.1700,
75.9925

■ 57.3643, 65.7010,
76.6780

■ 40.8137, 57.1689,
75.9011

■ 62.9401, 68.5754,
76.9393

■ 39.4539, 56.4679,
75.8370

■ 69.3595, 71.8847,
77.2402

■ 38.6112, 56.0335,
75.7972

■ 76.6556, 75.6460,
77.5821

■ 38.2010, 55.8221,
75.7775

■ 79.3595, 77.0399,
77.7091

■ 38.1184, 55.7795,
75.7735

■ 79.3596, 77.0399,
77.7096

■ 79.3596, 77.0400,
77.7100

■ 79.3597, 77.0400,
77.7105

Harmonies

Analogous

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



48.3753, 61.1808, 60.3059



48.5989, 61.1808, 76.2655



51.2786, 61.1808, 91.7271

Triad

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



48.5989, 61.1808, 76.2655



66.3609, 61.1808, 89.3040



60.4570, 61.1808, 41.0893

Complementary

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



48.5989, 61.1808, 76.2655



42.8914, 35.0737, 28.5562

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.



65.6105, 61.1808, 46.5642



48.5989, 61.1808, 76.2655



69.1612, 61.1808, 73.3506

Square

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



48.5989, 61.1808, 76.2655



61.4290, 61.1808, 100.0359



68.8782, 61.1808, 57.8159



54.9908, 61.1808, 41.6154

Rectangle

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



48.5989, 61.1808, 76.2655



54.1990, 61.1808, 98.9112



68.8782, 61.1808, 57.8159



62.2896, 61.1808, 42.2476

Sweetspot

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



48.6007, 61.1832, 76.2669



85.4726, 95.0627, 108.4511



40.6268, 58.0196, 33.1036



18.0636, 20.2282, 23.2022



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.



48.6007, 61.1832, 76.2669



65.1026, 84.5616, 107.4956



39.5602, 43.1017, 73.2550



13.4449, 14.8296, 16.8058



22.6015, 33.0732, 44.9283



1.4642, 2.1426, 2.9107

Inverse Universe

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



42.8914, 35.0737, 28.5562



55.9755, 42.8221, 31.2238



49.5548, 48.4007, 30.7764



13.0561, 13.0515, 13.5567



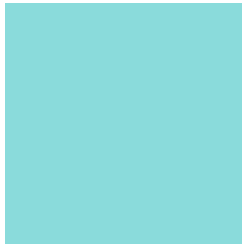
17.3222, 8.9299, 0.8108



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 48.5989, 61.1808, 76.2655 looks on a white background.

Color Contrast Check

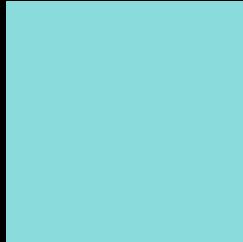
Large Text (above 18pt) WCAG AA × Fail

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 48.5989, 61.1808, 76.2655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

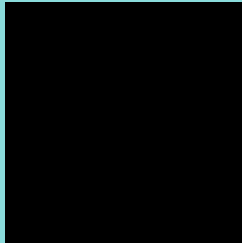
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5989, 61.1808, 76.2655

Background



This preview shows how black text looks on a background with the XYZ color 48.5989, 61.1808, 76.2655.

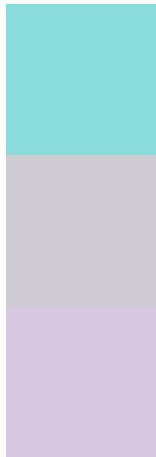


This preview shows how white text looks on a background with the XYZ color 48.5989, 61.1808,

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

48.5989, 61.1808, 76.2655

Protanopia

58.4424, 60.4868, 69.5676

Deuteranopia

61.7670, 60.6216, 78.2577



Tritanopia

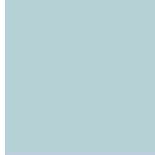
50.8195, 61.3170, 86.9988

Trichromacy



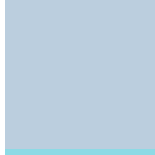
Original Color

48.5989, 61.1808, 76.2655



Protanomaly

53.8668, 60.2288, 71.7370



Deuteranomaly

55.7496, 59.9813, 77.7465



Tritanomaly

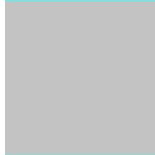
50.1988, 61.4627, 83.3465

Monochromacy



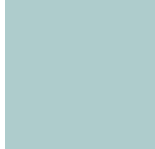
Original Color

48.5989, 61.1808, 76.2655



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.9475, 56.5440, 65.4083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5989, 61.1808, 76.2655 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(138, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(138, 219, 219)  
}
```

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(138, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 219, 219) }
```

Border

The CSS property to change the border of an element to XYZ 48.5989, 61.1808, 76.2655 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(138, 219, 219) }
```


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

```
.border{ border-color:rgb(138, 219, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(138, 219,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5989, 61.1808, 76.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 219, 219) }
```

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

```
.background{ background-color: rgb(138,  
219, 219) }
```

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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