

Converting Colors

XYZ(48.8806, 61.7843, 77.2174)

Have a look what the booklet for
XYZ(48.8806, 61.7843, 77.2174)
contains.

XYZ(48.8280, 61.6721, 77.0405)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.8280, 61.6721,
77.0405)**

Conversions

Conversions Part 1

Format	Color
Hex	89DCDC
RGB	137, 220, 220
RGB Percent	54%, 86%, 86%
CMY	0.4627, 0.1372, 0.1372
CMYK	0.38, 0.00, 0.00, 0.14
HSL	180°, 54%, 70%
HSV	180°, 38%, 86%
XYZ	48.8280, 61.6721, 77.0405
YIQ	195.1830, -49.4680, -17.5960

Conversions

Conversions Part 2

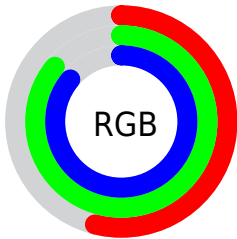
Format	Color
RYB	137, 179, 220
Decimal	9034972
CIELab	82.74, -25.15, -7.98
CIELCh	83, 26.384, 197.600
Yxy	61.6721, 0.2604, 0.3288
Android (android.graphics.Color)	4287225052 (0xFF89DCDC)
YUV	195.1830, 12.2348, -51.0265
Hunter-Lab	78.5316, -26.4457, -3.1921

Details

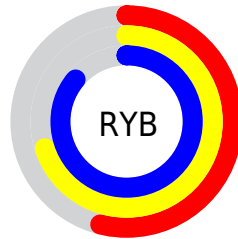
The XYZ color **48.8280, 61.6721, 77.0405** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.9784, 34.9149, 28.1433**, and the grayscale version is **51.9328, 54.6374, 59.5001**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **23.6400, 31.3762, 40.4076** is the 20% darker color. If you saturate the color by 10%, you get **45.5833, 60.0009, 76.8895**, and if you desaturate by 10%, it is **52.8117, 63.7272, 77.2287**.

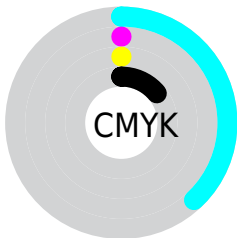
Distribution



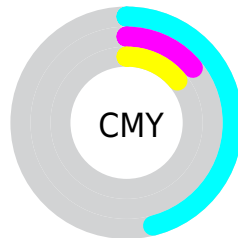
- Red (54%)
- Green (86%)
- Blue (86%)



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



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8280, 61.6721, 77.0405 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 48.8280, 61.6721, 77.0405 by changing the saturation by 10% instead.


 48.8280, 61.6721,
77.0405


 48.8280, 61.6721,
77.0405


372.5930,
430.7340, 504.3434


 34.6970, 44.7678,
56.7744


 87.6382, 107.2515,
130.9702

 23.5950, 31.2746,
40.4160


 113.0481,
136.6954, 165.4708

 15.1566, 20.8080,
27.5468


 142.9485,
171.0879, 205.5533

 9.0164, 12.9837,
17.7482

177.7045,
210.8134, 251.6363

 4.8091, 7.4174,
10.6018

217.6816,
256.2564, 304.1382

 2.1693, 3.7245,
5.6890

263.2452,

 0.7265, 1.5206,

307.8013, 363.4777

2.5912

314.7605,
365.8323, 430.0733

■ 0.0000, 0.3032,
0.8879

■ 0.0000, 0.0000,
0.0000

■ 48.8280, 61.6721,
77.0405

■ 48.8280, 61.6721,
77.0405

■ 45.5833, 60.0009,
76.8895

■ 52.8117, 63.7272,
77.2287

■ 43.0270, 58.6831,
76.7694

■ 57.5700, 66.1802,
77.4519

■ 41.1111, 57.6954,
76.6793

■ 63.1429, 69.0532,
77.7131

■ 39.7791, 57.0087,
76.6165

■ 69.5660, 72.3644,
78.0142

■ 38.9643, 56.5887,
76.5779

■ 76.8729, 76.1312,
78.3566

■ 38.5748, 56.3879,
76.5592

■ 79.7532, 77.6161,
78.4919

■ 38.5122, 56.3556,
76.5562

■ 79.7533, 77.6161,
78.4923

■ 79.7534, 77.6161,
78.4928

■ 79.7535, 77.6162,
78.4933

Harmonies

Analogous

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



48.6017, 61.6721, 60.6668



48.8280, 61.6721, 77.0405



51.5695, 61.6721, 92.9459

Triad

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



48.8280, 61.6721, 77.0405



67.0422, 61.6721, 90.4800



60.9897, 61.6721, 41.0398

Complementary

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



48.8280, 61.6721, 77.0405



42.9784, 34.9149, 28.1433

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.



66.2801, 61.6721, 46.6325



48.8280, 61.6721, 77.0405



69.9226, 61.6721, 74.0803

Square

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



48.8280, 61.6721, 77.0405



61.9761, 61.6721, 101.5237



69.6351, 61.6721, 58.1452



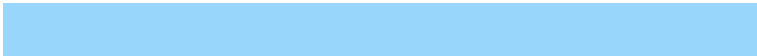
55.3825, 61.6721, 41.5701

Rectangle

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



48.8280, 61.6721, 77.0405



54.5606, 61.6721, 100.3503



69.6351, 61.6721, 58.1452



62.8707, 61.6721, 42.2230

Sweetspot

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



48.8298, 61.6745, 77.0419



85.4726, 95.0627, 108.4511



40.6552, 58.4311, 32.8038



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.



48.8298, 61.6745, 77.0419



64.6668, 84.3370, 107.4752



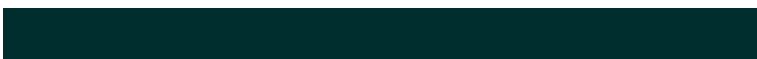
39.5344, 43.0832, 73.9451



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.



42.9784, 34.9149, 28.1433



55.4070, 41.9903, 30.0937



49.7780, 48.5144, 30.4089



13.0561, 13.0515, 13.5567



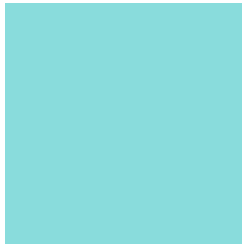
17.3222, 8.9299, 0.8108



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 48.8280, 61.6721, 77.0405 looks on a white background.

Color Contrast Check

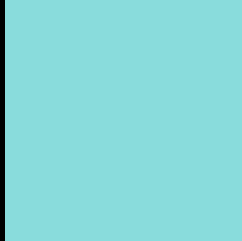
Large Text (above 18pt) WCAG AA × Fail

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 48.8280, 61.6721, 77.0405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

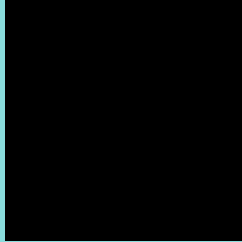
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8280, 61.6721, 77.0405

Background



This preview shows how black text looks on a background with the XYZ color 48.8280, 61.6721, 77.0405.



This preview shows how white text looks on a background with the XYZ color 48.8280, 61.6721,

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

48.8280, 61.6721, 77.0405

Protanopia

58.9579, 61.1043, 69.6597

Deuteranopia

62.1969, 60.8276, 78.9838



Tritanopia

51.0513, 61.8037, 87.8359

Trichromacy



Original Color

48.8280, 61.6721, 77.0405

Protanomaly

54.4756, 60.8933, 72.5007

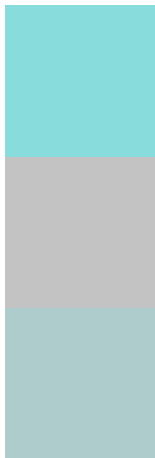
Deuteranomaly

56.1256, 60.5182, 78.5351

Tritanomaly

50.4297, 61.9517, 84.1629

Monochromacy



Original Color

48.8280, 61.6721, 77.0405

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 48.8280, 61.6721, 77.0405 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(137, 220, 220)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 220)  
}
```

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(137, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 220) }
```

Border

The CSS property to change the border of an element to XYZ 48.8280, 61.6721, 77.0405 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(137, 220, 220) }
```


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

```
.border{ border-color:rgb(137, 220, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 220);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8280, 61.6721, 77.0405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 220) }
```

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

```
.background{ background-color: rgb(137,  
220, 220) }
```

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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