

Converting Colors

XYZ(46.0142, 58.7349, 80.1373)

Have a look what the booklet for
XYZ(46.0142, 58.7349, 80.1373)
contains.

XYZ(45.8922, 58.5410, 80.1149)	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(45.8922, 58.5410,
80.1149)**

Conversions

Conversions Part 1

Format	Color
Hex	78D8E1
RGB	120, 216, 225
RGB Percent	47%, 85%, 88%
CMY	0.5294, 0.1529, 0.1176
CMYK	0.47, 0.04, 0.00, 0.12
HSL	185°, 64%, 68%
HSV	185°, 47%, 88%
XYZ	45.8922, 58.5410, 80.1149
YIQ	188.3220, -60.1050, -17.5530

Conversions

Conversions Part 2

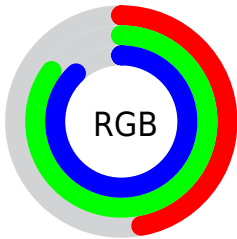
Format	Color
RYB	120, 170, 225
Decimal	7919841
CIELab	81.04, -26.01, -13.25
CIELCh	81, 29.193, 206.990
Yxy	58.5410, 0.2487, 0.3172
Android (android.graphics.Color)	4286109921 (0xFF78D8E1)
YUV	188.3220, 18.0823, -59.9184
Hunter-Lab	76.5121, -26.8313, -8.5234

Details

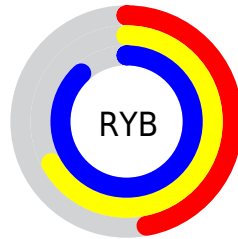
The XYZ color **45.8922, 58.5410, 80.1149** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.2929, 33.0652, 21.9240**, and the grayscale version is **47.9094, 50.4044, 54.8904**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **21.8640, 29.3527, 42.5435** is the 20% darker color. If you saturate the color by 10%, you get **42.6402, 56.1368, 79.8233**, and if you desaturate by 10%, it is **49.8867, 61.3393, 80.4455**.

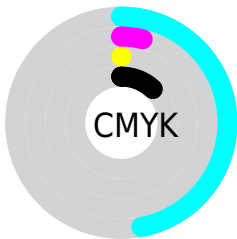
Distribution



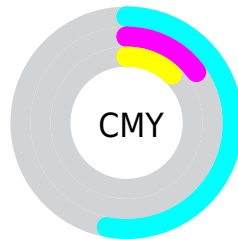
- Red (47%)
- Green (85%)
- Blue (88%)



- Red (47%)
- Yellow (67%)
- Blue (88%)



- Cyan (47%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)





- Cyan (53%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8922, 58.5410, 80.1149 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 45.8922, 58.5410, 80.1149 by changing the saturation by 10% instead.


 45.8922, 58.5410,
80.1149


 45.8922, 58.5410,
80.1149


361.0983,
419.1988, 515.0369


 32.3650, 42.2437,
59.2862


 83.2865, 102.7103,
135.3401

 21.7974, 29.2922,
42.4220


 107.8843,
131.3510, 170.5737

 13.8238, 19.3020,
29.1038


 136.9031,
164.8751, 211.4460

 8.0791, 11.8887,
18.9131

170.7081,
203.6669, 258.3755

 4.1979, 6.6679,
11.4314

209.6648,
248.1108, 311.7809

 1.8147, 3.2553,
6.2400

254.1385,

 0.5265, 1.2664,

298.5911, 372.0805

2.9204

304.4945,
355.4923, 439.6930

■ 0.0000, 0.1150,
1.0541

■ 0.0000, 0.0000,
0.0000

■ 45.8922, 58.5410,
80.1149

■ 45.8922, 58.5410,
80.1149

■ 42.6402, 56.1368,
79.8233

■ 49.8867, 61.3393,
80.4455

■ 40.0731, 54.0929,
79.5641

■ 54.6654, 64.5491,
80.8132

■ 38.1338, 52.3812,
79.3359

■ 60.2732, 68.1950,
81.2214

■ 36.7532, 50.9660,
79.1355

■ 66.7502, 72.2977,
81.6719

■ 35.8434, 49.8021,
78.9588

■ 74.1337, 76.8764,
82.1665

■ 35.5946, 49.4439,
78.9028

■ 82.4568, 81.9483,
82.7068

■ 82.9889, 83.0125,
82.8842

■ 83.5270, 84.0887,
83.0636

■ 84.0710, 85.1767,
83.2449

Harmonies

Analogous

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



44.7991, 58.5410, 62.0054



45.8922, 58.5410, 80.1149



49.5328, 58.5410, 96.0151

Triad

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



45.8922, 58.5410, 80.1149



65.9943, 58.5410, 83.7010



56.2554, 58.5410, 35.8898

Complementary

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



45.8922, 58.5410, 80.1149



42.2929, 33.0652, 21.9240

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.



62.2328, 58.5410, 39.6555



45.8922, 58.5410, 80.1149



68.1056, 58.5410, 65.5091

Square

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



45.8922, 58.5410, 80.1149



61.0982, 58.5410, 98.3355



66.6820, 58.5410, 49.7658



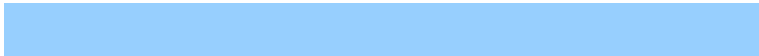
50.5197, 58.5410, 38.3925

Rectangle

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



45.8922, 58.5410, 80.1149



53.0598, 58.5410, 102.0910



66.6820, 58.5410, 49.7658



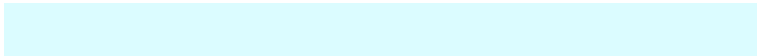
58.3056, 58.5410, 36.4453

Sweetspot

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



45.8940, 58.5433, 80.1163



82.1455, 91.9101, 108.0186



38.6182, 59.4231, 30.1179



17.2017, 19.4293, 23.0935



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.



45.8940, 58.5433, 80.1163



56.7371, 74.6369, 106.0238



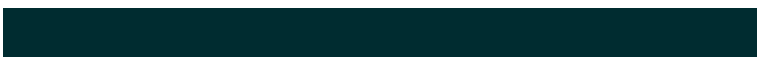
34.5686, 35.8925, 76.3412



14.0109, 15.3609, 17.6142



20.5540, 28.5775, 45.4811



1.4547, 2.0408, 3.1625

Inverse Universe

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



50.1640, 34.4000, 68.9640



63.1981, 39.3492, 88.8703



51.0176, 50.5147, 24.8323



14.2417, 13.9143, 17.0430



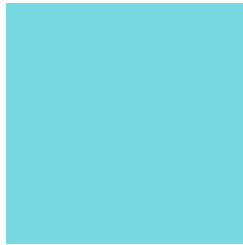
24.3149, 11.7930, 34.6536



1.7005, 0.8235, 2.4817

Previews

White Background



This preview shows how the XYZ color 45.8922, 58.5410, 80.1149 looks on a white background.

Color Contrast Check

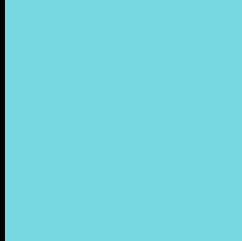
Large Text (above 18pt) WCAG AA × Fail

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 45.8922, 58.5410, 80.1149 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 45.8922, 58.5410, 80.1149

Background



This preview shows how black text looks on a background with the XYZ color 45.8922, 58.5410, 80.1149.

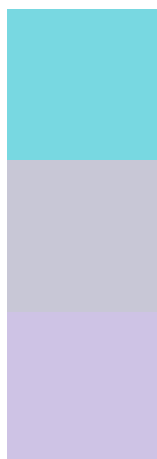


This preview shows how white text looks on a background with the XYZ color 45.8922, 58.5410,

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

45.8922, 58.5410, 80.1149

Protanopia

56.3804, 57.9812, 71.8383

Deuteranopia

59.1116, 57.8092, 82.1715



Tritanopia

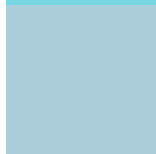
46.8920, 58.5646, 85.1766

Trichromacy



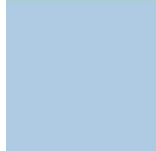
Original Color

45.8922, 58.5410, 80.1149



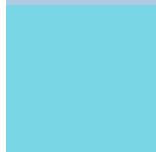
Protanomaly

51.2808, 57.3825, 74.7028



Deuteranomaly

53.0387, 57.4273, 81.6879



Tritanomaly

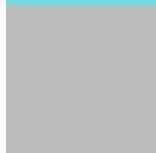
46.3285, 58.3230, 82.9444

Monochromacy



Original Color

45.8922, 58.5410, 80.1149



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.8410, 52.3917, 62.9549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8922, 58.5410, 80.1149 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(120, 216, 225)` looks like.

```
.text, #text, p{  
    color:rgb(120, 216, 225)  
}
```

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(120, 216, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 216, 225) }
```

Border

The CSS property to change the border of an element to XYZ 45.8922, 58.5410, 80.1149 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(120, 216, 225) }
```


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

```
.border{ border-color:rgb(120, 216, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 216, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 216, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 216, 225);  
box-shadow:4px 4px 4px 4px rgb(120, 216,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8922, 58.5410, 80.1149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 216, 225) }
```

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

```
.background{ background-color: rgb(120,  
216, 225) }
```

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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