

Converting Colors

XYZ(47.7379, 59.6250, 80.8746)

Have a look what the booklet for
XYZ(47.7379, 59.6250, 80.8746)
contains.

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Color

**XYZ(47.6434, 59.4280,
80.9112)**

Conversions

Conversions Part 1

Format	Color
Hex	83D8E2
RGB	131, 216, 226
RGB Percent	51%, 85%, 89%
CMY	0.4863, 0.1529, 0.1137
CMYK	0.42, 0.04, 0.00, 0.11
HSL	186°, 62%, 70%
HSV	186°, 42%, 89%
XYZ	47.6434, 59.4280, 80.9112
YIQ	191.7250, -53.8700, -14.9100

Conversions

Conversions Part 2

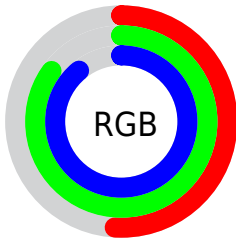
Format	Color
RYB	131, 176, 226
Decimal	8640738
CIELab	81.53, -23.19, -13.00
CIElCh	82, 26.586, 209.285
Yxy	59.4280, 0.2534, 0.3161
Android (android.graphics.Color)	4286830818 (0xFF83D8E2)
YUV	191.7250, 16.8976, -53.2558
Hunter-Lab	77.0896, -24.5890, -8.2666

Details

The XYZ color **47.6434, 59.4280, 80.9112** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.9867, 36.8581, 26.2175**, and the grayscale version is **49.8712, 52.4684, 57.1381**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **22.9196, 29.8859, 43.0886** is the 20% darker color. If you saturate the color by 10%, you get **43.9131, 56.6082, 80.5646**, and if you desaturate by 10%, it is **52.1495, 62.6636, 81.2993**.

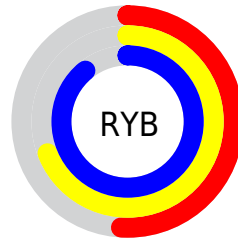
Distribution



Red (51%)

Green (85%)

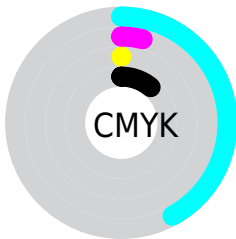
Blue (89%)



Red (51%)

Yellow (69%)

Blue (89%)

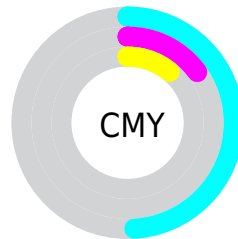


Cyan (42%)

Magenta (4%)

Yellow (0%)

Black (11%)



Cyan (49%)

Magenta (15%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6434, 59.4280, 80.9112 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 47.6434, 59.4280, 80.9112 by changing the saturation by 10% instead.

47.6434, 59.4280,
80.9112

47.6434, 59.4280,
80.9112

367.9831,
422.4862, 517.7859

33.7547, 42.9578,
59.9379

85.8861, 103.9995,
136.4690

22.8672, 29.8520,
42.9436

110.9708,
132.8695, 171.8906

14.6156, 19.7263,
29.5098

140.5182,
166.6415, 212.9654

8.6346, 12.1962,
19.2179

174.8937,
205.7000, 260.1119

4.5588, 6.8775,
11.6494

214.4625,
250.4293, 313.7487

2.0229, 3.3856,
6.3858

259.5901,

0.6468, 1.3362,

301.2138, 374.2942

3.0085

310.6419,
358.4380, 442.1671

■ 0.0000, 0.1690,
1.0990

■ 0.0000, 0.0000,
0.0000

■ 47.6434, 59.4280,
80.9112

■ 47.6434, 59.4280,
80.9112

■ 43.9131, 56.6082,
80.5646

■ 52.1495, 62.6636,
81.2993

■ 40.9030, 54.1714,
80.2529


■ 57.4717, 66.3316,
81.7268


■ 38.5587, 52.0908,
79.9748


■ 63.6539, 70.4562,
82.1971


■ 36.8158, 50.3331,
79.7274


■ 70.7352, 75.0576,
82.7120


 35.5965, 48.8583,
79.5070


 78.7525, 80.1547,
83.2733

 34.8990, 47.8338,
79.3460

 83.3410, 83.4977,
83.6767

 84.0085, 84.8327,
83.8992

 84.6851, 86.1859,
84.1247

 85.3708, 87.5573,
84.3533

Harmonies

Analogous

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



46.4319, 59.4280, 64.3246



47.6434, 59.4280, 80.9112



51.1856, 59.4280, 94.8429

Triad

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



47.6434, 59.4280, 80.9112



66.2080, 59.4280, 81.6839



56.6184, 59.4280, 38.6133

Complementary

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



47.6434, 59.4280, 80.9112



44.9867, 36.8581, 26.2175

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.



62.1371, 59.4280, 41.7445



47.6434, 59.4280, 80.9112



67.8925, 59.4280, 65.0909

Square

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



47.6434, 59.4280, 80.9112



61.8905, 59.4280, 95.3382



66.3569, 59.4280, 50.8250



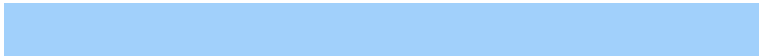
51.4029, 59.4280, 41.4591

Rectangle

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



47.6434, 59.4280, 80.9112



54.5153, 59.4280, 99.7918



66.3569, 59.4280, 50.8250



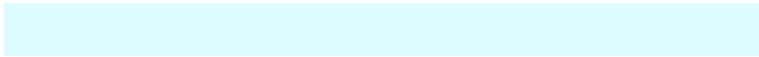
58.5006, 59.4280, 38.9922

Sweetspot

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



47.6452, 59.4303, 80.9126



82.7854, 92.0401, 108.0100



41.3284, 61.1275, 34.6268



17.3173, 19.4342, 23.0884



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.



47.6452, 59.4303, 80.9126



58.5048, 75.0260, 106.0057



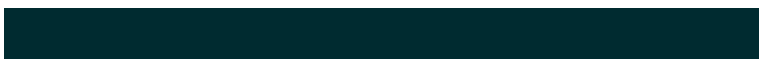
37.2769, 38.6938, 77.4565



13.9869, 15.3129, 17.6062



19.9618, 27.3932, 45.2837



1.4195, 1.9705, 3.1508

Inverse Universe

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



51.8765, 37.3608, 69.4454



64.8583, 42.9539, 88.5478



53.4453, 53.7753, 29.0370



14.2296, 13.9095, 16.9793



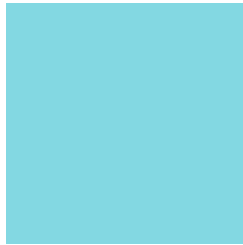
24.0160, 11.6734, 33.0796



1.6828, 0.8164, 2.3883

Previews

White Background



This preview shows how the XYZ color 47.6434, 59.4280, 80.9112 looks on a white background.

Color Contrast Check

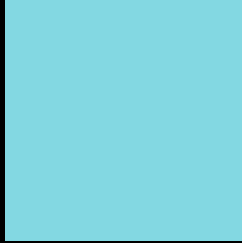
Large Text (above 18pt) WCAG AA × Fail

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 47.6434, 59.4280, 80.9112 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 47.6434, 59.4280, 80.9112

Background



This preview shows how black text looks on a background with the XYZ color 47.6434, 59.4280, 80.9112.

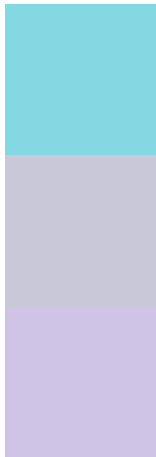


This preview shows how white text looks on a background with the XYZ color 47.6434, 59.4280,

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

47.6434, 59.4280, 80.9112

Protanopia

57.1363, 58.6839, 73.2815

Deuteranopia

60.0353, 58.6029, 83.0102



Tritanopia

48.5388, 59.4136, 85.2536

Trichromacy



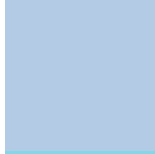
Original Color

47.6434, 59.4280, 80.9112



Protanomaly

52.8941, 58.5400, 76.2217



Deuteranomaly

54.3212, 58.0723, 82.4748



Tritanomaly

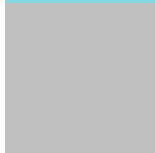
48.0991, 59.2196, 83.7583

Monochromacy



Original Color

47.6434, 59.4280, 80.9112



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.3633, 54.6790, 65.1318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6434, 59.4280, 80.9112 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(131, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(131, 216, 226)  
}
```

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(131, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 216, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.6434, 59.4280, 80.9112 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(131, 216, 226) }
```


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

```
.border{ border-color:rgb(131, 216, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(131, 216,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6434, 59.4280, 80.9112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 216, 226) }
```

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

```
.background{ background-color: rgb(131,  
216, 226) }
```

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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