

Converting Colors

XYZ(47.1285, 59.8419, 81.2523)

Have a look what the booklet for
XYZ(47.1285, 59.8419, 81.2523)
contains.

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Color

**XYZ(47.1111, 59.9189,
81.0340)**

Conversions

Conversions Part 1

Format	Color
Hex	7CDAE2
RGB	124, 218, 226
RGB Percent	49%, 85%, 89%
CMY	0.5137, 0.1451, 0.1137
CMYK	0.45, 0.04, 0.00, 0.11
HSL	185°, 64%, 69%
HSV	185°, 45%, 89%
XYZ	47.1111, 59.9189, 81.0340
YIQ	190.8060, -58.5920, -17.4400

Conversions

Conversions Part 2

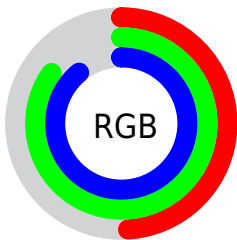
Format	Color
RYB	124, 173, 226
Decimal	8182498
CIELab	81.79, -25.83, -12.63
CIELCh	82, 28.752, 206.067
Yxy	59.9189, 0.2505, 0.3186
Android (android.graphics.Color)	4286372578 (0xFF7CDAE2)
YUV	190.8060, 17.3506, -58.5889
Hunter-Lab	77.4073, -26.8253, -7.8828

Details

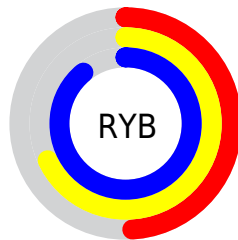
The XYZ color **47.1111, 59.9189, 81.0340** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.2545, 34.1276, 23.3779**, and the grayscale version is **49.3375, 51.9069, 56.5266**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **22.6279, 30.2585, 43.1759** is the 20% darker color. If you saturate the color by 10%, you get **43.7552, 57.5116, 80.7473**, and if you desaturate by 10%, it is **51.2240, 62.7264, 81.3602**.

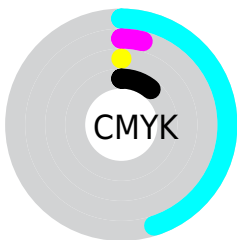
Distribution



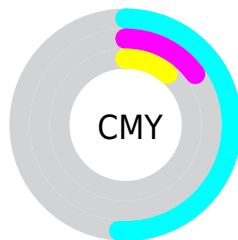
- Red (49%)
- Green (85%)
- Blue (89%)



- Red (49%)
- Yellow (68%)
- Blue (89%)



- Cyan (45%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1111, 59.9189, 81.0340 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 47.1111, 59.9189, 81.0340 by changing the saturation by 10% instead.

47.1111, 59.9189,
81.0340

47.1111, 59.9189,
81.0340

365.8993,
424.2988, 518.2091

33.3318, 43.3533,
60.0384

85.0972, 104.7120,
136.6430

22.5412, 30.1624,
43.0241

110.0347,
133.7083, 172.0935

14.3739, 19.9619,
29.5725

139.4223,
167.6169, 213.1995

8.4646, 12.3673,
19.2650

173.6253,
206.8222, 260.3793

4.4480, 6.9944,
11.6832

213.0092,
251.7087, 314.0517

1.9585, 3.4586,
6.4084

257.9393,

0.6105, 1.3756,

302.6607, 374.6351

3.0222

308.7808,
360.0626, 442.5480

■ 0.0000, 0.1986,
1.1060

■ 0.0000, 0.0000,
0.0000

■ 47.1111, 59.9189,
81.0340

■ 47.1111, 59.9189,
81.0340

■ 43.7552, 57.5116,
80.7473

■ 51.2240, 62.7264,
81.3602

■ 41.0989, 55.4710,
80.4934


■ 56.1353, 65.9515,
81.7238


■ 39.0857, 53.7690,
80.2710


■ 61.8899, 69.6187,
82.1284


■ 37.6476, 52.3708,
80.0769


■ 68.5279, 73.7486,
82.5757


 36.7013, 51.2334,
79.9072


 76.0866, 78.3606,
83.0675

 36.3519, 50.7395,
79.8303

 82.8865, 82.5887,
83.5252

 83.3783, 83.5724,
83.6891

 83.8752, 84.5661,
83.8548

 84.3771, 85.5699,
84.0221

Harmonies

Analogous

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



46.0980, 59.9189, 62.9791



47.1111, 59.9189, 81.0340



50.6903, 59.9189, 97.0355

Triad

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



47.1111, 59.9189, 81.0340



67.1777, 59.9189, 85.7020



57.7541, 59.9189, 37.2879

Complementary

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



47.1111, 59.9189, 81.0340



43.2545, 34.1276, 23.3779

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.



63.7073, 59.9189, 41.2831



47.1111, 59.9189, 81.0340



69.3865, 59.9189, 67.5574

Square

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



47.1111, 59.9189, 81.0340



62.2271, 59.9189, 100.0488



68.0739, 59.9189, 51.6469



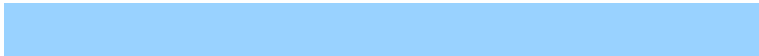
51.9821, 59.9189, 39.6189

Rectangle

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



47.1111, 59.9189, 81.0340



54.1909, 59.9189, 103.2922



68.0739, 59.9189, 51.6469



59.8035, 59.9189, 37.9135

Sweetspot

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



47.1129, 59.9212, 81.0354



82.2272, 92.0736, 108.0459



39.5932, 60.3124, 30.9581



17.2219, 19.4695, 23.1003



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.



47.1129, 59.9212, 81.0354



57.8382, 75.8461, 106.1991



36.0808, 37.8570, 77.3580



14.0198, 15.3787, 17.6172



20.7789, 29.0273, 45.5560



1.4680, 2.0674, 3.1669

Inverse Universe

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



51.2281, 35.6477, 70.5128



63.9962, 40.5966, 90.2123



51.6905, 50.9996, 26.1899



14.2462, 13.9161, 17.0668



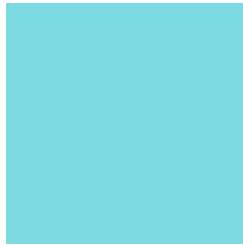
24.4284, 11.8384, 35.2514



1.7072, 0.8262, 2.5170

Previews

White Background



This preview shows how the XYZ color 47.1111, 59.9189, 81.0340 looks on a white background.

Color Contrast Check

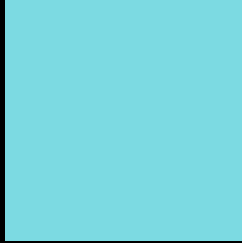
Large Text (above 18pt) WCAG AA × Fail

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 47.1111, 59.9189, 81.0340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

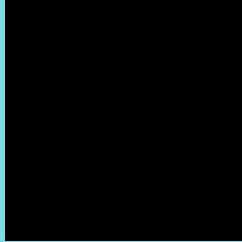
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1111, 59.9189, 81.0340

Background



This preview shows how black text looks on a background with the XYZ color 47.1111, 59.9189, 81.0340.

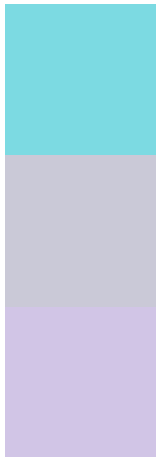


This preview shows how white text looks on a background with the XYZ color 47.1111, 59.9189,

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

47.1111, 59.9189, 81.0340

Protanopia

57.5095, 59.2361, 72.6926

Deuteranopia

60.5437, 59.2010, 83.0988



Tritanopia

48.4165, 60.0782, 86.8863

Trichromacy



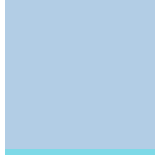
Original Color

47.1111, 59.9189, 81.0340



Protanomaly

52.5546, 58.7388, 75.5856



Deuteranomaly

54.3343, 58.7848, 82.6116



Tritanomaly

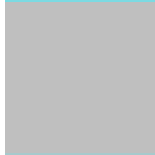
47.8408, 59.8308, 84.6283

Monochromacy



Original Color

47.1111, 59.9189, 81.0340



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.7221, 54.3484, 65.1018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1111, 59.9189, 81.0340 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(124, 218, 226)` looks like.

```
.text, #text, p{  
    color:rgb(124, 218, 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(124, 218, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 218, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.1111, 59.9189, 81.0340 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(124, 218, 226) }
```


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

```
.border{ border-color:rgb(124, 218, 226) }
```

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

Here you see how a box with a 4 pixel rgb(124, 218, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 218, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 218, 226);  
box-shadow:4px 4px 4px 4px rgb(124, 218,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1111, 59.9189, 81.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 218, 226) }
```

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

```
.background{ background-color: rgb(124,  
218, 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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