

Converting Colors

XYZ(47.4077, 61.7578, 88.5406)

Have a look what the booklet for
XYZ(47.4077, 61.7578, 88.5406)
contains.

XYZ(47.4719, 61.8957, 88.8019)	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(47.4719, 61.8957,
88.8019)**

Conversions

Conversions Part 1

Format	Color
Hex	6ADFE4
RGB	106, 223, 236
RGB Percent	42%, 87%, 93%
CMY	0.5843, 0.1255, 0.0745
CMYK	0.55, 0.06, 0.00, 0.07
HSL	186°, 77%, 67%
HSV	186°, 55%, 93%
XYZ	47.4719, 61.8957, 88.8019
YIQ	189.4990, -73.9050, -20.7610

Conversions

Conversions Part 2

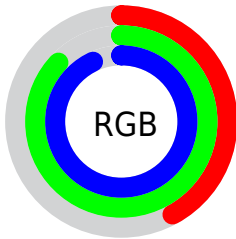
Format	Color
RYB	106, 168, 236
Decimal	7004140
CIELab	82.86, -29.41, -16.42
CIELCh	83, 33.677, 209.173
Yxy	61.8957, 0.2396, 0.3123
Android (android.graphics.Color)	4285194220 (0xFF6ADFE0)
YUV	189.4990, 22.9250, -73.2286
Hunter-Lab	78.6738, -29.9720, -11.8510

Details

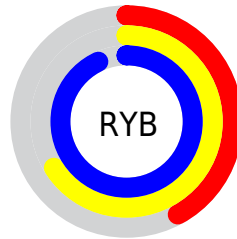
The XYZ color **47.4719, 61.8957, 88.8019** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.7918, 32.0686, 17.5192**, and the grayscale version is **48.5605, 51.0894, 55.6364**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **22.6526, 31.2398, 48.0160** is the 20% darker color. If you saturate the color by 10%, you get **44.4182, 59.3934, 88.4810**, and if you desaturate by 10%, it is **51.3098, 64.8181, 89.1648**.

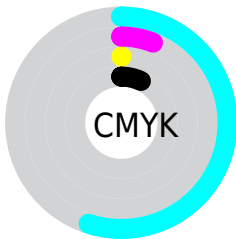
Distribution



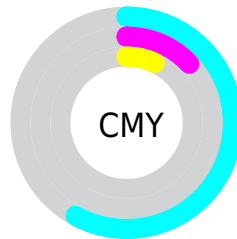
- Red (42%)
- Green (87%)
- Blue (93%)



- Red (42%)
- Yellow (66%)
- Blue (93%)



- Cyan (55%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (58%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4719, 61.8957, 88.8019 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 47.4719, 61.8957, 88.8019 by changing the saturation by 10% instead.

47.4719, 61.8957,
88.8019

47.4719, 61.8957,
88.8019

367.3126,
431.5505, 544.5949

33.6184, 44.9484,
66.4193

85.6321, 107.5748,
147.5940

22.7621, 31.4168,
48.1542

110.6694,
137.0754, 184.8405

14.5377, 20.9164,
33.5882

140.1654,
171.5292, 227.8788

8.5797, 13.0629,
22.3026

174.4854,
211.3206, 277.1274

4.5230, 7.4719,
13.8790

213.9948,
256.8341, 333.0047

2.0021, 3.7589,
7.8988

259.0588,

0.6351, 1.5396,

308.4540, 395.9294

3.9434

310.0430,
366.5647, 466.3199

■ 0.0000, 0.3164,
1.5943

■ 0.0000, 0.0000,
0.2868

■ 47.4719, 61.8957,
88.8019

■ 47.4719, 61.8957,
88.8019

■ 44.4182, 59.3934,
88.4810

■ 51.3098, 64.8181,
89.1648

■ 42.0779, 57.2704,
88.1945


■ 55.9837, 68.1832,
89.5680


■ 40.3772, 55.4902,
87.9406


■ 61.5479, 72.0204,
90.0154

■ 39.2232, 54.0046,
87.7146


■ 68.0502, 76.3544,
90.5092


 38.7852, 53.3455,
87.6105

 75.5350, 81.2081,
91.0516

 84.0440, 86.6032,
91.6445

 87.4000, 89.3551,
91.9988

 88.0974, 90.7499,
92.2312

 88.8038, 92.1628,
92.4667

Harmonies

Analogous

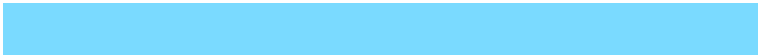
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9560, 61.8957, 66.8189



47.4719, 61.8957, 88.8019



51.9677, 61.8957, 107.8471

Triad

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



47.4719, 61.8957, 88.8019



71.6392, 61.8957, 90.0077



59.0316, 61.8957, 34.8220

Complementary

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



47.4719, 61.8957, 88.8019



43.7918, 32.0686, 17.5192

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.



66.2713, 61.8957, 38.5812



47.4719, 61.8957, 88.8019



73.9083, 61.8957, 67.9722

Square

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



47.4719, 61.8957, 88.8019



65.8945, 61.8957, 108.6380



71.8690, 61.8957, 49.7367



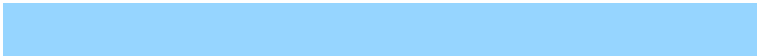
52.2894, 61.8957, 38.1850

Rectangle

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



47.4719, 61.8957, 88.8019



56.2485, 61.8957, 114.7375



71.8690, 61.8957, 49.7367



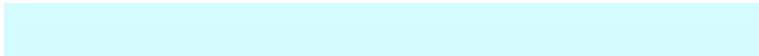
61.4893, 61.8957, 35.2792

Sweetspot

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



47.4738, 61.8980, 88.8034



79.4934, 89.9507, 107.7802



39.1420, 64.3369, 27.1354



16.6703, 19.0248, 23.0435



0.0000, 0.0000, 0.0000



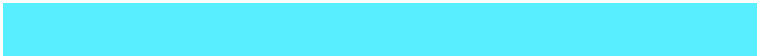
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.4738, 61.8980, 88.8034



52.5772, 70.4811, 105.4409



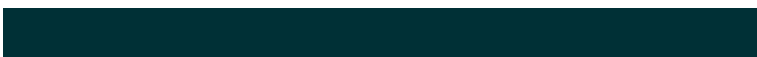
33.6857, 34.3218, 84.2073



15.3815, 16.8494, 19.3638



21.4334, 29.5139, 48.3101



1.7203, 2.3921, 3.8059

Inverse Universe

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



53.0670, 33.4704, 73.4781



60.0819, 34.2111, 84.4583



53.8890, 52.2630, 20.8850



15.6461, 15.2863, 18.6877



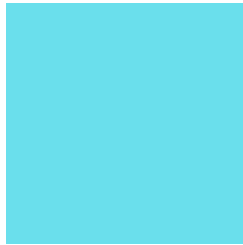
25.6739, 12.4723, 35.6798



2.0348, 0.9869, 2.9008

Previews

White Background



This preview shows how the XYZ color 47.4719, 61.8957, 88.8019 looks on a white background.

Color Contrast Check

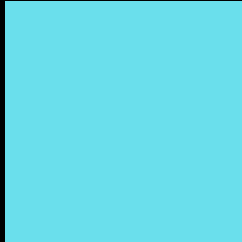
Large Text (above 18pt) WCAG AA × Fail

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 47.4719, 61.8957, 88.8019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

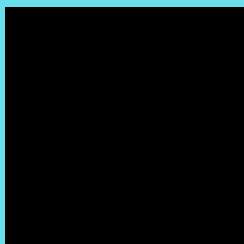
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

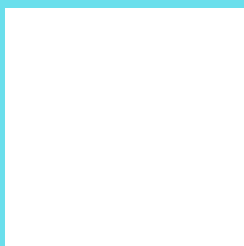
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4719, 61.8957, 88.8019

Background



This preview shows how black text looks on a background with the XYZ color 47.4719, 61.8957, 88.8019.

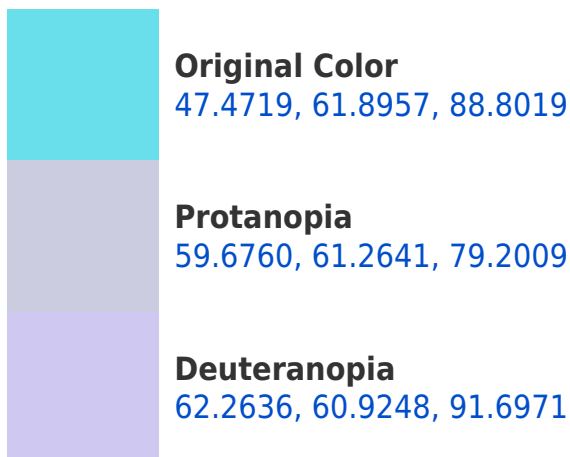


This preview shows how white text looks on a background with the XYZ color 47.4719, 61.8957,

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





Tritanopia

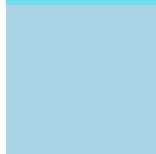
48.0338, 61.7220, 91.8200

Trichromacy



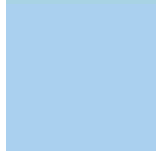
Original Color

47.4719, 61.8957, 88.8019



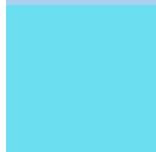
Protanomaly

53.4463, 60.5148, 82.2624



Deuteranomaly

54.7134, 59.8898, 90.3375



Tritanomaly

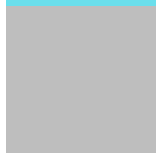
47.7647, 61.6003, 91.0339

Monochromacy



Original Color

47.4719, 61.8957, 88.8019



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.6811, 54.1170, 67.0168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4719, 61.8957, 88.8019 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(106, 223, 236)` looks like.

```
.text, #text, p{  
    color:rgb(106, 223, 236)  
}
```

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(106, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 223, 236) }
```

Border

The CSS property to change the border of an element to XYZ 47.4719, 61.8957, 88.8019 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(106, 223, 236) }
```


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

```
.border{ border-color:rgb(106, 223, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(106, 223,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4719, 61.8957, 88.8019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 223, 236) }
```

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

```
.background{ background-color: rgb(106,  
223, 236) }
```

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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