

Converting Colors

XYZ(48.1488, 61.2117, 99.7198)

Have a look what the booklet for
XYZ(48.1488, 61.2117, 99.7198)
contains.

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Color

**XYZ(48.1488, 61.2117,
99.7198)**

Conversions

Conversions Part 1

Format	Color
Hex	62DDFA
RGB	98, 221, 250
RGB Percent	38%, 87%, 98%
CMY	0.6157, 0.1333, 0.0196
CMYK	0.61, 0.12, 0.00, 0.02
HSL	191°, 94%, 68%
HSV	191°, 61%, 98%
XYZ	48.1488, 61.2117, 99.7198
YIQ	187.5290, -82.6170, -17.0570

Conversions

Conversions Part 2

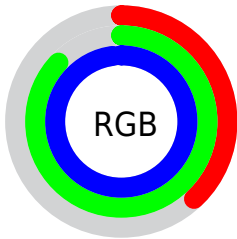
Format	Color
R_{YB}	98, 166, 250
Decimal	6479354
CIE _{Lab}	82.49, -25.95, -24.41
CIE _{LCh}	82, 35.629, 223.245
Yxy	61.2117, 0.2303, 0.2928
Android (android.graphics.Color)	4284669434 (0xFF62DDFA)
YUV	187.5290, 30.7982, -78.5169
Hunter-Lab	78.2379, -27.0647, -20.8028

Details

The XYZ color **48.1488, 61.2117, 99.7198** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **49.2201, 36.3867, 15.9865**, and the grayscale version is **47.3998, 49.8683, 54.3065**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **23.2619, 31.1227, 55.2333** is the 20% darker color. If you saturate the color by 10%, you get **44.6196, 57.5505, 99.2003**, and if you desaturate by 10%, it is **52.5598, 65.3831, 100.2936**.

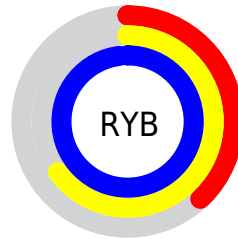
Distribution



Red (38%)

Green (87%)

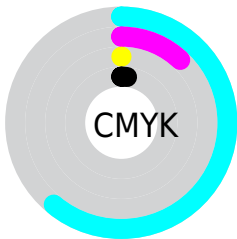
Blue (98%)



Red (38%)

Yellow (65%)

Blue (98%)

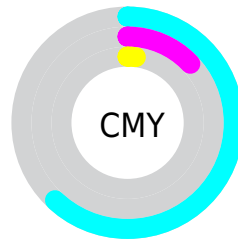


Cyan (61%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (62%)

Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1488, 61.2117, 99.7198 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 48.1488, 61.2117, 99.7198 by changing the saturation by 10% instead.


 48.1488, 61.2117,
99.7198


 48.1488, 61.2117,
99.7198


369.9544,
429.0498, 580.5330


 34.1565, 44.3960,
75.4510


 86.6343, 106.5854,
162.8206

 23.1773, 30.9820,
55.4785


 111.8581,
135.9122, 202.4896

 14.8459, 20.5851,
39.3837


 141.5565,
170.1782, 248.1292

 8.7969, 12.8211,
26.7483

176.0949,
209.7678, 300.1577

 4.6650, 7.3055,
17.1535

215.8385,
255.0654, 358.9938

 2.0848, 3.6539,
10.1809

261.1527,

 0.6809, 1.4819,

306.4553, 425.0560

5.4119

312.4029,
364.3220, 498.7629

■ 0.0000, 0.2759,
2.4280

■ 0.0000, 0.0000,
0.8016

■ 48.1488, 61.2117,
99.7198

■ 48.1488, 61.2117,
99.7198

■ 44.6196, 57.5505,
99.2003

■ 52.5598, 65.3831,
100.2936

■ 41.8845, 54.3502,
98.7267

■ 57.9179, 70.0950,
100.9207

■ 39.8479, 51.5621,
98.2959

■ 64.2889, 75.3831,
101.6056

■ 38.4476, 49.2864,
97.9304

■ 71.7308, 81.2776,
102.3511

80.2973, 87.8067,
103.1599

90.0383, 94.9965,
104.0342

94.0616, 99.2943,
104.6517

94.2555, 99.6822,
104.7164

Harmonies

Analogous

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



45.0546, 61.2117, 76.7301



48.1488, 61.2117, 99.7198



54.0585, 61.2117, 115.4297

Triad

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



48.1488, 61.2117, 99.7198



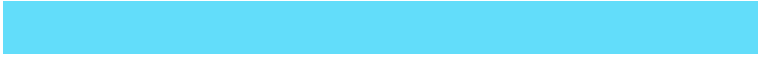
73.3634, 61.2117, 79.4890



54.8879, 61.2117, 33.5861

Complementary

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



48.1488, 61.2117, 99.7198



49.2201, 36.3867, 15.9865

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.



62.5056, 61.2117, 34.0090



48.1488, 61.2117, 99.7198



73.6348, 61.2117, 57.4922

Square

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



48.1488, 61.2117, 99.7198



68.8036, 61.2117, 102.1157



69.5156, 61.2117, 41.8413



48.7102, 61.2117, 40.5232

Rectangle

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



48.1488, 61.2117, 99.7198



59.0130, 61.2117, 117.9188



69.5156, 61.2117, 41.8413



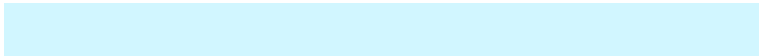
57.3547, 61.2117, 32.9264

Sweetspot

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



48.1508, 61.2140, 99.7213



77.4025, 86.8493, 107.2918



42.9817, 72.4723, 31.4192



16.0361, 18.1790, 22.9137



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.



48.1508, 61.2140, 99.7213



45.9519, 59.3963, 103.6505



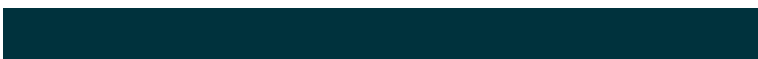
32.5939, 30.1002, 94.5356



17.4679, 19.0126, 22.1344



20.4947, 26.3451, 51.9785



1.9681, 2.5798, 4.8374

Inverse Universe

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



56.8449, 34.2818, 72.0299



56.2091, 30.6379, 70.3044



62.7199, 63.3865, 20.4865



17.8427, 17.4644, 21.0274



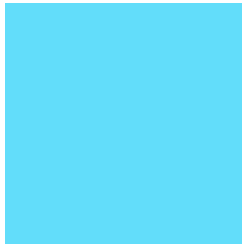
26.6368, 13.0705, 31.1256



2.5023, 1.2247, 3.0685

Previews

White Background



This preview shows how the XYZ color 48.1488, 61.2117, 99.7198 looks on a white background.

Color Contrast Check

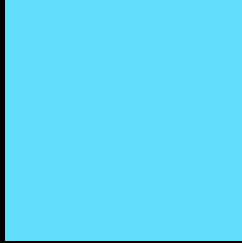
Large Text (above 18pt) WCAG AA × Fail

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 48.1488, 61.2117, 99.7198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

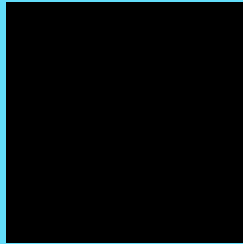
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1488, 61.2117, 99.7198

Background



This preview shows how black text looks on a background with the XYZ color 48.1488, 61.2117, 99.7198.



This preview shows how white text looks on a background with the XYZ color 48.1488, 61.2117,

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

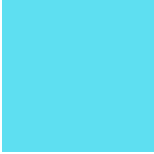
48.1488, 61.2117, 99.7198

Protanopia

59.4325, 60.2258, 88.6131

Deuteranopia

61.9930, 60.5343, 103.0247



Tritanopia

46.8810, 61.5059, 92.6200

Trichromacy



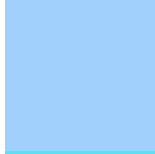
Original Color

48.1488, 61.2117, 99.7198



Protanomaly

53.5254, 59.5888, 92.6851



Deuteranomaly

55.1858, 59.8850, 101.5789



Tritanomaly

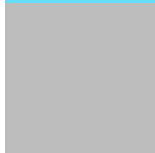
47.1697, 61.2071, 94.9160

Monochromacy



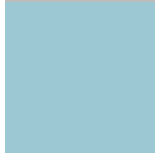
Original Color

48.1488, 61.2117, 99.7198



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.9297, 52.9803, 69.4335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1488, 61.2117, 99.7198 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(98, 221, 250)` looks like.

```
.text, #text, p{  
    color:rgb(98, 221, 250)  
}
```

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(98, 221, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 221, 250) }
```

Border

The CSS property to change the border of an element to XYZ 48.1488, 61.2117, 99.7198 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(98, 221, 250) }
```


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

```
.border{ border-color:rgb(98, 221, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 221, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 221, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 221, 250);  
box-shadow:4px 4px 4px 4px rgb(98, 221,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1488, 61.2117, 99.7198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 221, 250) }
```

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

```
.background{ background-color: rgb(98, 221,  
250) }
```

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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