

Converting Colors

XYZ(48.3287, 60.4331, 99.4778)

Have a look what the booklet for
XYZ(48.3287, 60.4331, 99.4778)
contains.

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Color

**XYZ(48.4125, 60.5684,
99.5817)**

Conversions

Conversions Part 1

Format	Color
Hex	69DBFA
RGB	105, 219, 250
RGB Percent	41%, 86%, 98%
CMY	0.5882, 0.1412, 0.0196
CMYK	0.58, 0.12, 0.00, 0.02
HSL	193°, 94%, 70%
HSV	193°, 58%, 98%
XYZ	48.4125, 60.5684, 99.5817
YIQ	188.4480, -77.8950, -14.5270

Conversions

Conversions Part 2

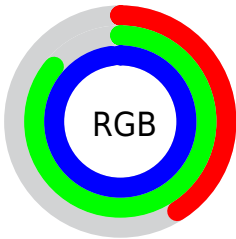
Format	Color
RYB	105, 169, 250
Decimal	6937594
CIELab	82.15, -23.73, -24.92
CIELCh	82, 34.412, 226.393
Yxy	60.5684, 0.2321, 0.2904
Android (android.graphics.Color)	4285127674 (0xFF69DBFA)
YUV	188.4480, 30.3451, -73.1839
Hunter-Lab	77.8257, -25.1567, -21.3864

Details

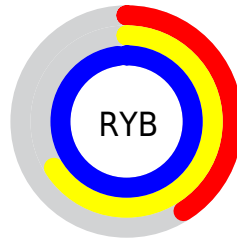
The XYZ color **48.4125, 60.5684, 99.5817** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **50.7799, 38.9541, 18.2090**, and the grayscale version is **47.9211, 50.4167, 54.9038**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **23.3271, 30.6208, 55.1330** is the 20% darker color. If you saturate the color by 10%, you get **44.5246, 56.5285, 99.0080**, and if you desaturate by 10%, it is **53.2119, 65.1472, 100.2137**.

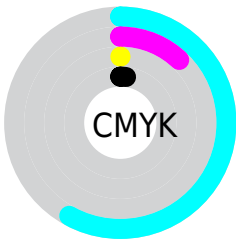
Distribution



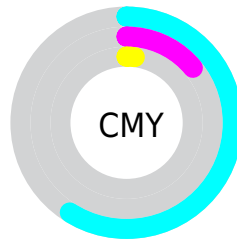
- Red (41%)
- Green (86%)
- Blue (98%)



- Red (41%)
- Yellow (66%)
- Blue (98%)



- Cyan (58%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (59%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4125, 60.5684, 99.5817 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 48.4125, 60.5684, 99.5817 by changing the saturation by 10% instead.

48.4125, 60.5684,
99.5817

48.4125, 60.5684,
99.5817

370.9803,
426.6897, 580.0860

34.3663, 43.8769,
75.3363

87.0242, 105.6538,
162.6291

23.3393, 30.5738,
55.3851

112.3205,
134.8165, 202.2682

14.9663, 20.2745,
39.3094

142.0974,
168.9050, 247.8755

8.8819, 12.5947,
26.6908

176.7204,
208.3039, 299.8698

4.7207, 7.1501,
17.1108

216.5549,
253.3973, 358.6694

2.1174, 3.5561,
10.1507

261.9661,

0.6987, 1.4285,

304.5699, 424.6929

5.3921

313.3194,
362.2059, 498.3589

■ 0.0000, 0.2376,
2.4164

■ 0.0000, 0.0000,
0.7953

■ 48.4125, 60.5684,
99.5817

■ 48.4125, 60.5684,
99.5817

■ 44.5246, 56.5285,
99.0080

■ 53.2119, 65.1472,
100.2137

■ 41.4639, 52.9796,
98.4843

■ 58.9859, 70.2943,
100.9028

■ 39.1398, 49.8756,
98.0076

■ 65.7987, 76.0445,
101.6537

■ 37.4265, 47.1512,
97.5721

■ 73.7072, 82.4279,
102.4690

■ 37.1207, 46.6325,
97.4881

■ 82.7639, 89.4720,
103.3513

■ 93.0151, 97.2014,
104.3029

■ 94.2555, 99.6822,
104.7164

Harmonies

Analogous

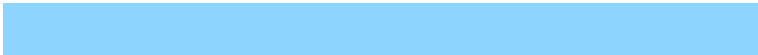
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1154, 60.5684, 77.9676



48.4125, 60.5684, 99.5817



54.3262, 60.5684, 113.2914

Triad

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



48.4125, 60.5684, 99.5817



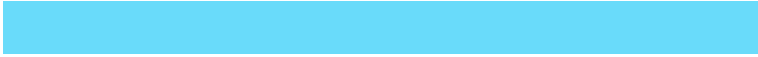
72.3306, 60.5684, 75.8744



53.6940, 60.5684, 34.3909

Complementary

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



48.4125, 60.5684, 99.5817



50.7799, 38.9541, 18.2090

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.



60.9372, 60.5684, 34.0640



48.4125, 60.5684, 99.5817



72.1249, 60.5684, 55.2331

Square

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



48.4125, 60.5684, 99.5817



68.3516, 60.5684, 97.7725



67.8116, 60.5684, 40.8952



47.9835, 60.5684, 41.9092

Rectangle

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



48.4125, 60.5684, 99.5817



59.1469, 60.5684, 114.5571



67.8116, 60.5684, 40.8952



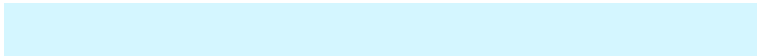
56.0184, 60.5684, 33.5012

Sweetspot

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



48.4144, 60.5707, 99.5832



77.9750, 86.9139, 107.2741



44.3160, 73.0971, 34.3299



16.3084, 18.3011, 22.9229



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.



48.4144, 60.5707, 99.5832



45.8417, 58.3197, 103.4485



33.7514, 31.2446, 94.6955



17.4324, 18.9417, 22.1226



19.7989, 24.9535, 51.7465



1.9094, 2.4625, 4.8179

Inverse Universe

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



57.2637, 35.5435, 70.8625



56.3624, 31.4994, 68.6451



64.1676, 65.7295, 22.6716



17.8248, 17.4573, 20.9332



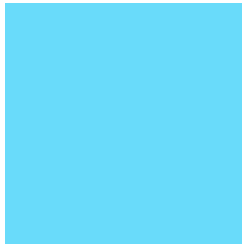
26.2856, 12.9300, 29.2762



2.4727, 1.2128, 2.9127

Previews

White Background



This preview shows how the XYZ color 48.4125, 60.5684, 99.5817 looks on a white background.

Color Contrast Check

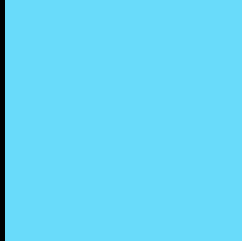
Large Text (above 18pt) WCAG AA × Fail

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 48.4125, 60.5684, 99.5817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

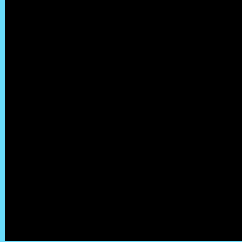
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4125, 60.5684, 99.5817

Background



This preview shows how black text looks on a background with the XYZ color 48.4125, 60.5684, 99.5817.



This preview shows how white text looks on a background with the XYZ color 48.4125, 60.5684,

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

48.4125, 60.5684, 99.5817

Protanopia

59.0842, 59.6821, 89.2946

Deuteranopia

61.0778, 59.7384, 102.0774



Tritanopia

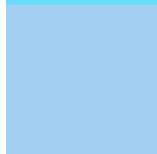
46.6920, 60.6542, 90.9079

Trichromacy



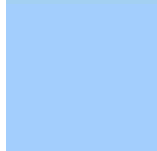
Original Color

48.4125, 60.5684, 99.5817



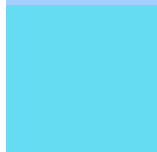
Protanomaly

53.6871, 59.3091, 92.6226



Deuteranomaly

54.9052, 59.0210, 101.4269



Tritanomaly

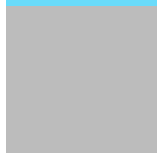
47.2504, 60.4822, 93.9779

Monochromacy



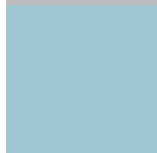
Original Color

48.4125, 60.5684, 99.5817



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

46.2818, 52.8191, 69.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4125, 60.5684, 99.5817 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(105, 219, 250)` looks like.

```
.text, #text, p{  
    color:rgb(105, 219, 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(105, 219, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 219, 250) }
```

Border

The CSS property to change the border of an element to XYZ 48.4125, 60.5684, 99.5817 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(105, 219, 250) }
```


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

```
.border{ border-color:rgb(105, 219, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 219, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 219, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 219, 250);  
box-shadow:4px 4px 4px 4px rgb(105, 219,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4125, 60.5684, 99.5817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 219, 250) }
```

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

```
.background{ background-color: rgb(105,  
219, 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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