

Converting Colors

XYZ(47.4567, 58.7225,
101.3031)

Have a look what the booklet for
XYZ(47.4567, 58.7225, 101.3031)
contains.

XYZ(47.4934, 58.9067, 100.9624)	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(47.4934, 58.9067,
100.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	65D8FC
RGB	101, 216, 252
RGB Percent	40%, 85%, 99%
CMY	0.6039, 0.1529, 0.0118
CMYK	0.60, 0.14, 0.00, 0.01
HSL	194°, 96%, 69%
HSV	194°, 60%, 99%
XYZ	47.4934, 58.9067, 100.9624
YIQ	185.7190, -80.0960, -13.1840

Conversions

Conversions Part 2

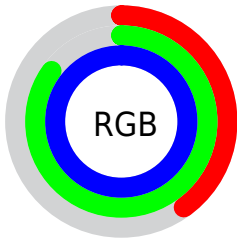
Format	Color
RYB	101, 166, 252
Decimal	6674684
CIELab	81.24, -22.37, -27.37
CIElCh	81, 35.352, 230.739
Yxy	58.9067, 0.2290, 0.2841
Android (android.graphics.Color)	4284864764 (0xFF65D8FC)
YUV	185.7190, 32.6765, -74.2986
Hunter-Lab	76.7507, -23.8578, -24.2681

Details

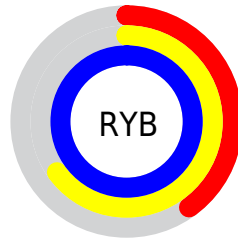
The XYZ color **47.4934, 58.9067, 100.9624** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.4413, 39.5286, 17.2326**, and the grayscale version is **46.3722, 48.7872, 53.1292**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **22.7332, 29.5010, 56.1259** is the 20% darker color. If you saturate the color by 10%, you get **43.5816, 54.6478, 100.3476**, and if you desaturate by 10%, it is **52.3301, 63.7283, 101.6392**.

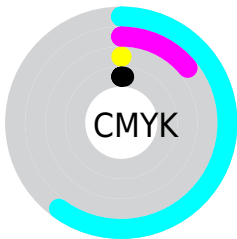
Distribution



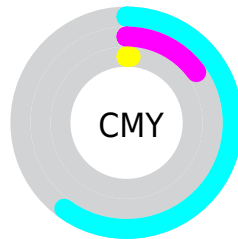
- Red (40%)
- Green (85%)
- Blue (99%)



- Red (40%)
- Yellow (65%)
- Blue (99%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)



- Cyan (60%)
- Magenta (15%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4934, 58.9067, 100.9624 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 47.4934, 58.9067, 100.9624 by changing the saturation by 10% instead.

47.4934, 58.9067,
100.9624

47.4934, 58.9067,
100.9624

367.3967,
420.5561, 584.5468

33.6355, 42.5380,
76.4832

85.6639, 103.2421,
164.5425

22.7752, 29.5228,
56.3198

110.7072,
131.9775, 204.4805

14.5474, 19.4767,
40.0536

140.2096,
165.6040, 250.4084

8.5866, 12.0152,
27.2663

174.5366,
204.5060, 302.7449

4.5275, 6.7540,
17.5391

214.0534,
249.0677, 361.9084

2.0047, 3.3088,
10.4536

259.1255,

0.6366, 1.2950,

299.6738, 428.3176

5.5912

310.1181,
356.7084, 502.3909

■ 0.0000, 0.1373,
2.5334

■ 0.0000, 0.0000,
0.8578

■ 47.4934, 58.9067,
100.9624

■ 47.4934, 58.9067,
100.9624

■ 43.5816, 54.6478,
100.3476

■ 52.3301, 63.7283,
101.6392

■ 40.5063, 50.9017,
99.7866

■ 58.1580, 69.1441,
102.3774

■ 38.1713, 47.6189,
99.2761

■ 65.0438, 75.1906,
103.1816

■ 36.4168, 44.7164,
98.8083

■ 73.0467, 81.8990,
104.0547

■ 36.4034, 44.6933,
98.8046

■ 82.2211, 89.2983,
104.9993

■ 92.6179, 97.4156,
106.0181

■ 94.5709, 99.8084,
106.3771

Harmonies

Analogous

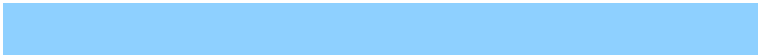
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.7575, 58.9067, 79.6065



47.4934, 58.9067, 100.9624



53.7399, 58.9067, 113.0960

Triad

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



47.4934, 58.9067, 100.9624



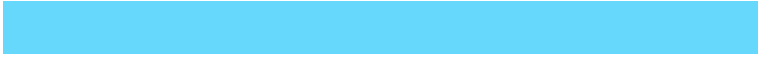
71.1678, 58.9067, 70.8930



51.1206, 58.9067, 33.1856

Complementary

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



47.4934, 58.9067, 100.9624



51.4413, 39.5286, 17.2326

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.



58.3001, 58.9067, 31.8504



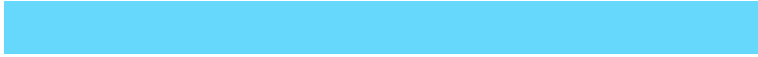
47.4934, 58.9067, 100.9624



70.3107, 58.9067, 50.8179

Square

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



47.4934, 58.9067, 100.9624



67.6902, 58.9067, 93.3954



65.4418, 58.9067, 37.5742



45.7206, 58.9067, 41.7363

Rectangle

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



47.4934, 58.9067, 100.9624



58.6706, 58.9067, 112.8310



65.4418, 58.9067, 37.5742



53.3905, 58.9067, 31.9645

Sweetspot

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



47.4953, 58.9089, 100.9638



76.7406, 85.5256, 107.0712



44.6396, 74.1732, 35.3462



15.8730, 17.8527, 22.8593



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.



47.4953, 58.9089, 100.9638



44.0289, 55.2767, 102.9566



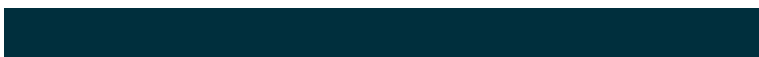
32.5038, 28.9259, 95.9667



17.3946, 18.8660, 22.1100



19.0825, 23.5205, 51.5077



1.8487, 2.3410, 4.7976

Inverse Universe

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



57.1949, 34.9627, 68.7018



55.3053, 30.5321, 64.7564



65.9724, 68.5908, 22.0763



17.8057, 17.4496, 20.8326



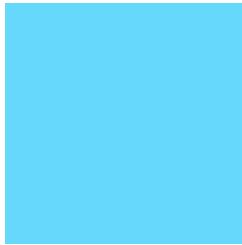
25.9240, 12.7853, 27.3718



2.4420, 1.2006, 2.7512

Previews

White Background



This preview shows how the XYZ color 47.4934, 58.9067, 100.9624 looks on a white background.

Color Contrast Check

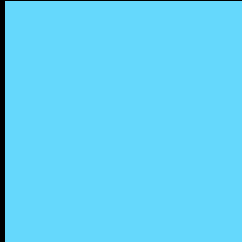
Large Text (above 18pt) WCAG AA × Fail

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 47.4934, 58.9067, 100.9624 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 47.4934, 58.9067, 100.9624

Background



This preview shows how black text looks on a background with the XYZ color 47.4934, 58.9067, 100.9624.

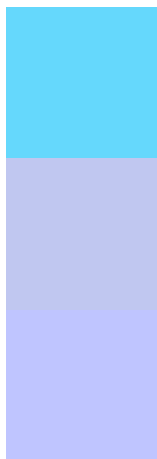


This preview shows how white text looks on a background with the XYZ color 47.4934, 58.9067,

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

47.4934, 58.9067, 100.9624

Protanopia

57.8898, 58.3446, 90.6486

Deuteranopia

59.5021, 58.2289, 102.7109



Tritanopia

45.0879, 59.0988, 88.3877

Trichromacy



Original Color

47.4934, 58.9067, 100.9624

Protanomaly

52.4585, 57.5652, 93.9343

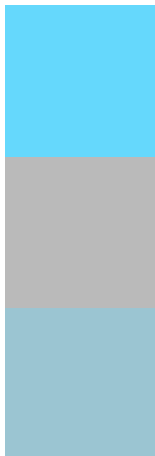
Deuteranomaly

53.5828, 57.6106, 102.0618

Tritanomaly

46.0282, 59.0950, 92.9849

Monochromacy



Original Color

47.4934, 58.9067, 100.9624

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.1167, 51.5542, 68.5458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4934, 58.9067, 100.9624 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(101, 216, 252)` looks like.

```
.text, #text, p{  
    color:rgb(101, 216, 252)  
}
```

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(101, 216, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 216, 252) }
```

Border

The CSS property to change the border of an element to XYZ 47.4934, 58.9067, 100.9624 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(101, 216, 252) }
```


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

```
.border{ border-color:rgb(101, 216, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 216, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 216, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 216, 252);  
box-shadow:4px 4px 4px 4px rgb(101, 216,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4934, 58.9067, 100.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 216, 252) }
```

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

```
.background{ background-color: rgb(101,  
216, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor