

Converting Colors

XYZ(46.8714, 58.6762,
103.4630)

Have a look what the booklet for
XYZ(46.8714, 58.6762, 103.4630)
contains.

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Color

**XYZ(46.8223, 58.5054,
103.4326)**

Conversions

Conversions Part 1

Format	Color
Hex	5AD8FF
RGB	90, 216, 255
RGB Percent	35%, 85%, 100%
CMY	0.6470, 0.1529, 0.0000
CMYK	0.65, 0.15, 0.00, 0.00
HSL	194°, 100%, 68%
HSV	194°, 65%, 100%
XYZ	46.8223, 58.5054, 103.4326
YIQ	182.7720, -87.6150, -14.5830

Conversions

Conversions Part 2

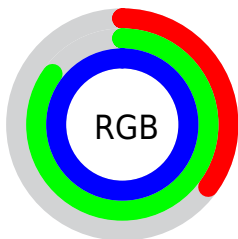
Format	Color
RYB	90, 161, 255
Decimal	5953791
CIELab	81.02, -23.30, -29.33
CIELCh	81, 37.457, 231.542
Yxy	58.5054, 0.2243, 0.2803
Android (android.graphics.Color)	4284143871 (0xFF5AD8FF)
YUV	182.7720, 35.6084, -81.3610
Hunter-Lab	76.4888, -24.5874, -26.6332

Details

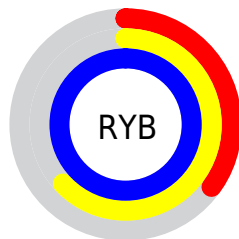
The XYZ color **46.8223, 58.5054, 103.4326** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.9369, 37.7005, 14.2672**, and the grayscale version is **44.7326, 47.0621, 51.2507**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **22.9379, 29.5670, 57.9241** is the 20% darker color. If you saturate the color by 10%, you get **43.2383, 54.4085, 102.8307**, and if you desaturate by 10%, it is **51.3167, 63.1581, 104.0938**.

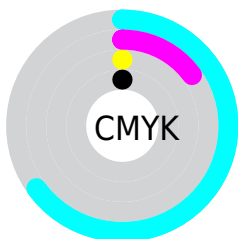
Distribution



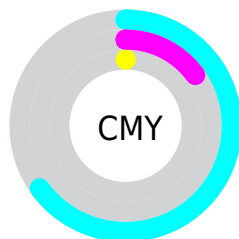
- Red (35%)
- Green (85%)
- Blue (100%)



- Red (35%)
- Yellow (63%)
- Blue (100%)



- Cyan (65%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8223, 58.5054, 103.4326 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 46.8223, 58.5054, 103.4326 by changing the saturation by 10% instead.

46.8223, 58.5054,
103.4326

46.8223, 58.5054,
103.4326

364.7655,
419.0665, 592.4831

33.1026, 42.2151,
78.5375

84.6687, 102.6585,
167.9593

22.3646, 29.2698,
57.9966

109.5260,
131.2900, 208.4280

14.2432, 19.2850,
41.3912

138.8266,
164.8041, 254.9250

8.3728, 11.8764,
28.3029

172.9358,
203.5852, 307.8688

4.3882, 6.6596,
18.3131

212.2189,
248.0175, 367.6780

1.9240, 3.2501,
11.0032

257.0413,

0.5907, 1.2637,

298.4856, 434.7711

5.9548

307.7684,
355.3738, 509.5666

■ 0.0000, 0.1128,
2.7493

■ 0.0000, 0.0000,
0.9681

■ 46.8223, 58.5054,
103.4326

■ 46.8223, 58.5054,
103.4326

■ 43.2383, 54.4085,
102.8307

■ 51.3167, 63.1581,
104.0938

■ 40.4678, 50.8129,
102.2827

■ 56.7953, 68.4019,
104.8172

■ 38.3998, 47.6619,
101.7835

■ 63.3297, 74.2759,
105.6066

■ 37.5044, 46.1287,
101.5348

■ 70.9835, 80.8136,
106.4651

■ 79.8149, 88.0459,
107.3956

■ 89.8779, 96.0014,
108.4008

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.8346, 58.5054, 80.7430



46.8223, 58.5054, 103.4326



53.4386, 58.5054, 116.0991

Triad

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



46.8223, 58.5054, 103.4326



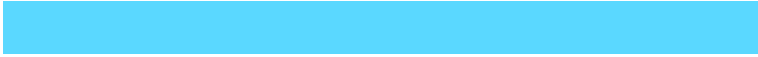
71.7358, 58.5054, 70.2066



50.2995, 58.5054, 31.6125

Complementary

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



46.8223, 58.5054, 103.4326



50.9369, 37.7005, 14.2672

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.



57.8346, 58.5054, 30.0569



46.8223, 58.5054, 103.4326



70.6966, 58.5054, 49.2458

Square

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



46.8223, 58.5054, 103.4326



68.1485, 58.5054, 94.1970



65.4284, 58.5054, 35.7244



44.7082, 58.5054, 40.6214

Rectangle

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



46.8223, 58.5054, 103.4326



58.6513, 58.5054, 115.5035



65.4284, 58.5054, 35.7244



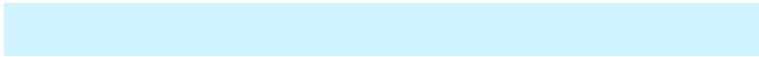
52.6712, 58.5054, 30.2999

Sweetspot

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



46.8240, 58.5074, 103.4329



75.8715, 84.8506, 106.9867



43.9071, 75.2660, 32.8112



15.7044, 17.7220, 22.8429



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.



46.8240, 58.5074, 103.4329



42.2395, 53.1697, 102.6443



30.7934, 26.4462, 98.0894



18.1696, 19.7108, 23.0969



19.7176, 24.3447, 53.0944



2.0034, 2.5375, 5.1975

Inverse Universe

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



57.2920, 33.5319, 68.4205



54.0428, 28.6515, 62.3489



66.3807, 68.5881, 19.4151



18.5983, 18.2226, 21.7676



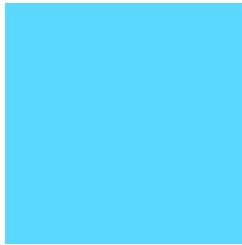
26.7407, 13.1856, 28.3488



2.6458, 1.3007, 2.9823

Previews

White Background



This preview shows how the XYZ color 46.8223, 58.5054, 103.4326 looks on a white background.

Color Contrast Check

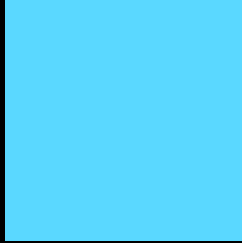
Large Text (above 18pt) WCAG AA × Fail

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 46.8223, 58.5054, 103.4326 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

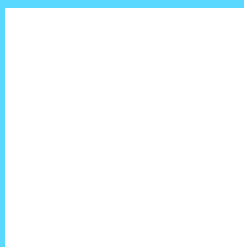
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8223, 58.5054, 103.4326

Background



This preview shows how black text looks on a background with the XYZ color 46.8223, 58.5054, 103.4326.

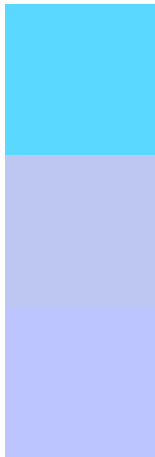


This preview shows how white text looks on a background with the XYZ color 46.8223, 58.5054,

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

46.8223, 58.5054, 103.4326

Protanopia

57.4563, 57.7461, 92.1222

Deuteranopia

58.7553, 57.8439, 102.6760



Tritanopia

44.0109, 58.5268, 89.0979

Trichromacy



Original Color

46.8223, 58.5054, 103.4326

Protanomaly

51.9462, 57.2481, 96.3078

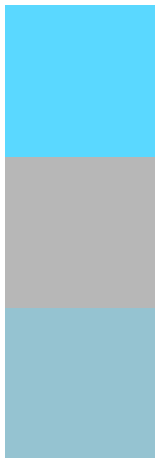
Deuteranomaly

52.5918, 57.0811, 102.8536

Tritanomaly

45.0567, 58.5593, 94.5163

Monochromacy



Original Color

46.8223, 58.5054, 103.4326

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.4182, 50.0232, 67.6887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8223, 58.5054, 103.4326 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(90, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 216, 255)  
}
```

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(90, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.8223, 58.5054, 103.4326 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(90, 216, 255) }
```


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

```
.border{ border-color:rgb(90, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8223, 58.5054, 103.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 216, 255) }
```

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

```
.background{ background-color: rgb(90, 216,  
255) }
```

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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