

Converting Colors

XYZ(46.0917, 58.1115, 96.0334)

Have a look what the booklet for
XYZ(46.0917, 58.1115, 96.0334)
contains.

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Color

**XYZ(46.2274, 58.3622,
96.0174)**

Conversions

Conversions Part 1

Format	Color
Hex	62D8F6
RGB	98, 216, 246
RGB Percent	38%, 85%, 96%
CMY	0.6157, 0.1529, 0.0353
CMYK	0.60, 0.12, 0.00, 0.04
HSL	192°, 89%, 67%
HSV	192°, 60%, 96%
XYZ	46.2274, 58.3622, 96.0174
YIQ	184.1380, -79.9580, -15.6860

Conversions

Conversions Part 2

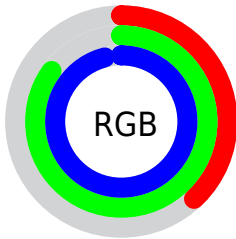
Format	Color
R _Y B	98, 164, 246
Decimal	6478070
CIE Lab	80.94, -24.63, -24.65
CIE LCh	81, 34.851, 225.021
Yxy	58.3622, 0.2304, 0.2909
Android (android.graphics.Color)	4284668150 (0xFF62D8F6)
YUV	184.1380, 30.4980, -75.5430
Hunter-Lab	76.3952, -25.6796, -21.0421

Details

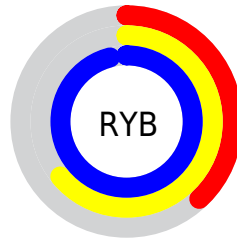
The XYZ color **46.2274, 58.3622, 96.0174** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **47.9314, 35.9149, 15.9632**, and the grayscale version is **45.5066, 47.8764, 52.1374**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **22.0517, 29.2139, 53.1918** is the 20% darker color. If you saturate the color by 10%, you get **42.7118, 54.6832, 95.4937**, and if you desaturate by 10%, it is **50.6008, 62.5434, 96.5950**.

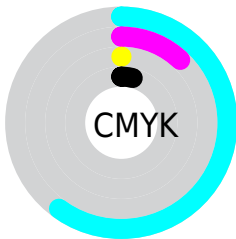
Distribution



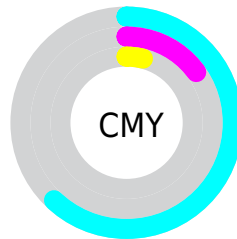
- Red (38%)
- Green (85%)
- Blue (96%)



- Red (38%)
- Yellow (64%)
- Blue (96%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)



- Cyan (62%)
- Magenta (15%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2274, 58.3622, 96.0174 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 46.2274, 58.3622, 96.0174 by changing the saturation by 10% instead.

46.2274, 58.3622,
96.0174

46.2274, 58.3622,
96.0174

362.4228,
418.5342, 568.4843

32.6307, 42.0999,
72.3805

83.7850, 102.4501,
157.6771

22.0016, 29.1795,
52.9808

108.4766,
131.0445, 196.5369

13.9747, 19.2167,
37.3998

137.5972,
164.5184, 241.3082

8.1846, 11.8269,
25.2190

171.5122,
203.2562, 292.4094

4.2661, 6.6260,
16.0198

210.5868,
247.6423, 350.2590

1.8538, 3.2293,
9.3837

255.1866,

0.5497, 1.2526,

298.0611, 415.2757

4.8920

305.6768,
354.8969, 487.8780

■ 0.0000, 0.1040,
2.1264

■ 0.0000, 0.0000,
0.6314

■ 46.2274, 58.3622,
96.0174

■ 46.2274, 58.3622,
96.0174

■ 42.7118, 54.6832,
95.4937

■ 50.6008, 62.5434,
96.5950

■ 39.9707, 51.4593,
95.0159

■ 55.8945, 67.2559,
97.2256

■ 37.9133, 48.6444,
94.5810

■ 62.1713, 72.5337,
97.9135

■ 36.4056, 46.1957,
94.1878

■ 69.4868, 78.4060,
98.6614

■ 77.8922, 84.8997,
99.4718

■ 87.4356, 92.0399,
100.3470

■ 92.3433, 96.8509,
101.0170

■ 93.6348, 99.4339,
101.4475

Harmonies

Analogous

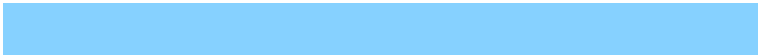
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.1165, 58.3622, 74.4162



46.2274, 58.3622, 96.0174



51.9608, 58.3622, 110.2026

Triad

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



46.2274, 58.3622, 96.0174



69.9896, 58.3622, 74.3845



51.9513, 58.3622, 32.3660

Complementary

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



46.2274, 58.3622, 96.0174



47.9314, 35.9149, 15.9632

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.



59.1369, 58.3622, 32.3611



46.2274, 58.3622, 96.0174



69.9864, 58.3622, 53.7905

Square

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



46.2274, 58.3622, 96.0174



65.8807, 58.3622, 95.9899



65.8725, 58.3622, 39.3708



46.2210, 58.3622, 39.3860

Rectangle

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



46.2274, 58.3622, 96.0174



56.6953, 58.3622, 111.9411



65.8725, 58.3622, 39.3708



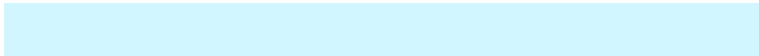
54.2655, 58.3622, 31.6031

Sweetspot

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



46.2293, 58.3644, 96.0188



77.2362, 86.5167, 107.2364



41.8644, 70.0576, 31.6025



15.9951, 18.0969, 22.9000



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.



46.2293, 58.3644, 96.0188



45.6935, 58.6058, 103.5115



31.4061, 28.7180, 91.0777



16.6948, 18.1538, 21.1667



19.5344, 24.8626, 50.3074



1.7874, 2.3262, 4.4450

Inverse Universe

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



54.7700, 33.2879, 68.5064



56.1455, 30.8682, 69.1808



61.2390, 62.5302, 20.3990



17.0613, 16.7074, 20.0691



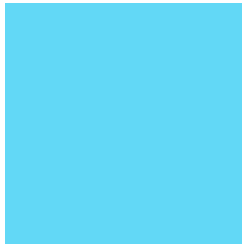
25.6646, 12.6093, 29.2717



2.2912, 1.1225, 2.7601

Previews

White Background



This preview shows how the XYZ color 46.2274, 58.3622, 96.0174 looks on a white background.

Color Contrast Check

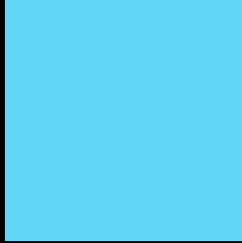
Large Text (above 18pt) WCAG AA × Fail

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 46.2274, 58.3622, 96.0174 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 46.2274, 58.3622, 96.0174

Background



This preview shows how black text looks on a background with the XYZ color 46.2274, 58.3622, 96.0174.



This preview shows how white text looks on a background with the XYZ color 46.2274, 58.3622,

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

46.2274, 58.3622, 96.0174

Protanopia

57.0377, 57.6661, 85.9664

Deuteranopia

58.9876, 57.7194, 98.4745



Tritanopia

44.5810, 58.4681, 87.5331

Trichromacy



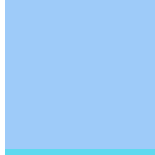
Original Color

46.2274, 58.3622, 96.0174



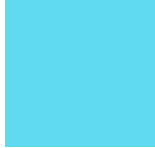
Protanomaly

51.3645, 57.1048, 89.2040



Deuteranomaly

52.5554, 56.8205, 97.8200



Tritanomaly

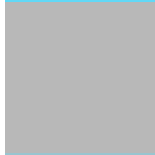
45.1122, 58.2906, 90.5349

Monochromacy



Original Color

46.2274, 58.3622, 96.0174



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

44.1393, 50.7572, 66.5022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2274, 58.3622, 96.0174 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, 216, 246)` looks like.

```
.text, #text, p{  
    color:rgb(98, 216, 246)  
}
```

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, 216, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 216, 246) }
```

Border

The CSS property to change the border of an element to XYZ 46.2274, 58.3622, 96.0174 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, 216, 246) }
```


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

```
.border{ border-color:rgb(98, 216, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 216, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 216, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 216, 246);  
box-shadow:4px 4px 4px 4px rgb(98, 216,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2274, 58.3622, 96.0174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 216, 246) }
```

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

```
.background{ background-color: rgb(98, 216,  
246) }
```

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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