

Converting Colors

XYZ(46.7010, 58.7287,
103.4821)

Have a look what the booklet for
XYZ(46.7010, 58.7287, 103.4821)
contains.

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Color

**XYZ(46.7933, 58.8719,
103.5049)**

Conversions

Conversions Part 1

Format	Color
Hex	57D9FF
RGB	87, 217, 255
RGB Percent	34%, 85%, 100%
CMY	0.6588, 0.1490, 0.0000
CMYK	0.66, 0.15, 0.00, 0.00
HSL	194°, 100%, 67%
HSV	194°, 66%, 100%
XYZ	46.7933, 58.8719, 103.5049
YIQ	182.4620, -89.6780, -15.7420

Conversions

Conversions Part 2

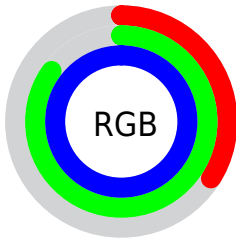
Format	Color
R _Y B	87, 160, 255
Decimal	5757439
CIE Lab	81.22, -24.25, -29.03
CIE LCh	81, 37.825, 230.126
Yxy	58.8719, 0.2237, 0.2815
Android (android.graphics.Color)	4283947519 (0xFF57D9FF)
YUV	182.4620, 35.7612, -83.7202
Hunter-Lab	76.7280, -25.4142, -26.2717

Details

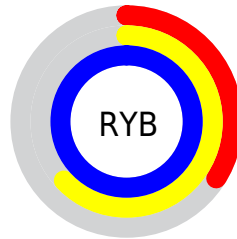
The XYZ color **46.7933, 58.8719, 103.5049** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.2952, 36.6172, 13.4359**, and the grayscale version is **44.5634, 46.8842, 51.0569**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **23.1134, 29.9179, 57.9826** is the 20% darker color. If you saturate the color by 10%, you get **43.3588, 54.9339, 102.9258**, and if you desaturate by 10%, it is **51.1236, 63.3512, 104.1412**.

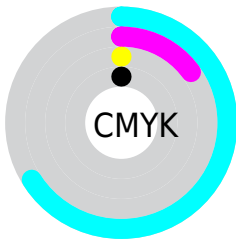
Distribution



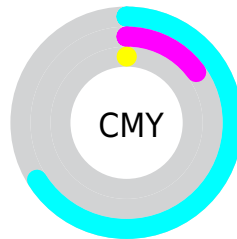
- Red (34%)
- Green (85%)
- Blue (100%)



- Red (34%)
- Yellow (63%)
- Blue (100%)



- Cyan (66%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7933, 58.8719, 103.5049 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 46.7933, 58.8719, 103.5049 by changing the saturation by 10% instead.

46.7933, 58.8719,
103.5049

46.7933, 58.8719,
103.5049

364.6516,
420.4270, 592.7146

33.0795, 42.5100,
78.5977

84.6256, 103.1915,
168.0592

22.3469, 29.5008,
58.0457

109.4749,
131.9179, 208.5433

14.2301, 19.4600,
41.4305

138.7667,
165.5347, 255.0569

8.3636, 12.0032,
28.3334

172.8665,
204.4262, 308.0184

4.3822, 6.7458,
18.3359

212.1395,
248.9767, 367.8464

1.9206, 3.3037,
11.0195

256.9511,

0.5888, 1.2922,

299.5708, 434.9594

5.9656

307.6667,
356.5928, 509.7759

■ 0.0000, 0.1352,
2.7557

■ 0.0000, 0.0000,
0.9713

■ 46.7933, 58.8719,
103.5049

■ 46.7933, 58.8719,
103.5049

■ 43.3588, 54.9339,
102.9258

■ 51.1236, 63.3512,
104.1412

■ 40.7212, 51.4819,
102.3985

■ 56.4246, 68.4076,
104.8378

■ 38.7664, 48.4575,
101.9178

■ 62.7689, 74.0806,
105.5985

■ 38.0896, 47.2992,
101.7299

■ 70.2205, 80.4038,
106.4262

■ 78.8382, 87.4082,
107.3240

■ 88.6763, 95.1227,
108.2945

95.0500, 100.0000,
108.9000

Harmonies

Analogous

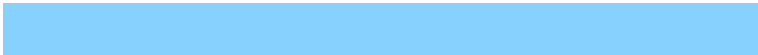
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9009, 58.8719, 80.2221



46.7933, 58.8719, 103.5049



53.3977, 58.8719, 117.0612

Triad

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



46.7933, 58.8719, 103.5049



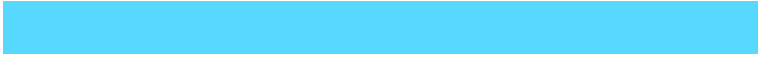
72.2503, 58.8719, 71.8344



50.9026, 58.8719, 31.3801

Complementary

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



46.7933, 58.8719, 103.5049



50.2952, 36.6172, 13.4359

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.



58.5947, 58.8719, 30.1500



46.7933, 58.8719, 103.5049



71.4225, 58.8719, 50.2995

Square

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



46.7933, 58.8719, 103.5049



68.4086, 58.8719, 96.1402



66.2429, 58.8719, 36.2329



45.1144, 58.8719, 40.1120

Rectangle

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



46.7933, 58.8719, 103.5049



58.6624, 58.8719, 117.0117



66.2429, 58.8719, 36.2329



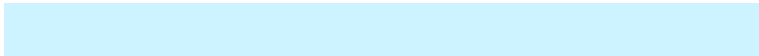
53.3341, 58.8719, 30.1700

Sweetspot

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



46.7950, 58.8740, 103.5052



75.1416, 84.4370, 106.9453



43.2921, 74.9870, 31.0652



15.5688, 17.6538, 22.8369



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.



46.7950, 58.8740, 103.5052



42.4546, 53.8065, 102.7558



30.5906, 26.4652, 98.1037



18.1860, 19.7435, 23.1023



20.0202, 24.9499, 53.1952



2.0305, 2.5917, 5.2065

Inverse Universe

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



57.1738, 33.0879, 69.0209



54.1009, 28.4817, 63.2504



65.3712, 66.7693, 18.4612



18.6065, 18.2259, 21.8110



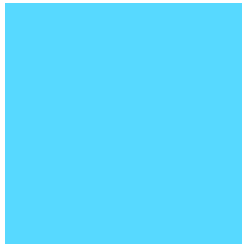
26.8935, 13.2467, 29.1531



2.6595, 1.3062, 3.0544

Previews

White Background



This preview shows how the XYZ color 46.7933, 58.8719, 103.5049 looks on a white background.

Color Contrast Check

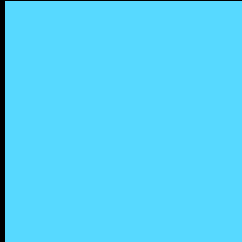
Large Text (above 18pt) WCAG AA × Fail

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 46.7933, 58.8719, 103.5049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

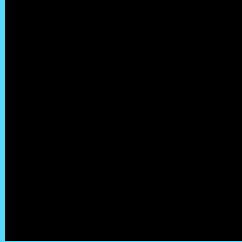
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7933, 58.8719, 103.5049

Background



This preview shows how black text looks on a background with the XYZ color 46.7933, 58.8719, 103.5049.

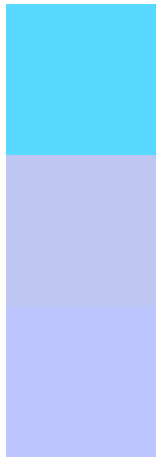


This preview shows how white text looks on a background with the XYZ color 46.7933, 58.8719,

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

46.7933, 58.8719, 103.5049

Protanopia

57.7070, 57.8753, 92.1340

Deuteranopia

59.0025, 57.9713, 102.6876



Tritanopia

44.1677, 58.9791, 89.9452

Trichromacy



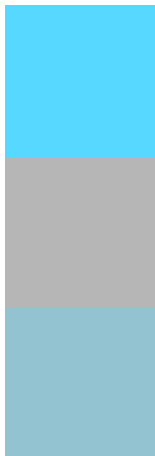
Original Color
46.7933, 58.8719, 103.5049

Protanomaly
51.7567, 57.1503, 96.2989

Deuteranomaly
52.5918, 57.0811, 102.8536

Tritanomaly
45.0540, 58.9440, 94.5907

Monochromacy



Original Color
46.7933, 58.8719, 103.5049

Achromatopsia
44.4628, 46.7784, 50.9417

Achromatomaly
43.0564, 49.8367, 67.6717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7933, 58.8719, 103.5049 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(87, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 217, 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(87, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.7933, 58.8719, 103.5049 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(87, 217, 255) }
```


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

```
.border{ border-color:rgb(87, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(87, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7933, 58.8719, 103.5049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 217, 255) }
```

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

```
.background{ background-color: rgb(87, 217,  
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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