

Converting Colors

XYZ(46.7355, 58.5286,
103.4417)

Have a look what the booklet for
XYZ(46.7355, 58.5286, 103.4417)
contains.

XYZ(46.7257, 58.4556, 103.4281)	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(46.7257, 58.4556,
103.4281)**

Conversions

Conversions Part 1

Format	Color
Hex	59D8FF
RGB	89, 216, 255
RGB Percent	35%, 85%, 100%
CMY	0.6509, 0.1529, 0.0000
CMYK	0.65, 0.15, 0.00, 0.00
HSL	194°, 100%, 67%
HSV	194°, 65%, 100%
XYZ	46.7257, 58.4556, 103.4281
YIQ	182.4730, -88.2110, -14.7950

Conversions

Conversions Part 2

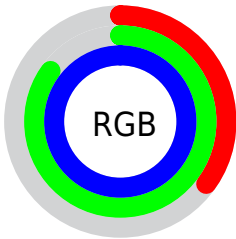
Format	Color
R _Y B	89, 161, 255
Decimal	5888255
CIE Lab	80.99, -23.45, -29.38
CIE LCh	81, 37.588, 231.401
Yxy	58.4556, 0.2240, 0.2802
Android (android.graphics.Color)	4284078335 (0xFF59D8FF)
YUV	182.4730, 35.7558, -81.9758
Hunter-Lab	76.4563, -24.7095, -26.6866

Details

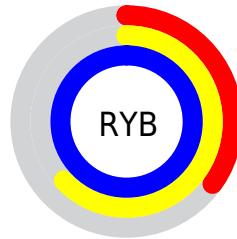
The XYZ color **46.7257, 58.4556, 103.4281** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.7636, 37.4215, 14.0008**, and the grayscale version is **44.5689, 46.8900, 51.0632**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **22.9379, 29.5670, 57.9241** is the 20% darker color. If you saturate the color by 10%, you get **43.1822, 54.3929, 102.8307**, and if you desaturate by 10%, it is **51.1756, 63.0710, 104.0844**.

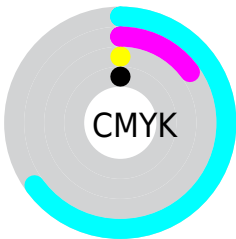
Distribution



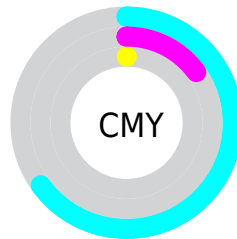
- Red (35%)
- Green (85%)
- Blue (100%)



- 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 46.7257, 58.4556, 103.4281 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 46.7257, 58.4556, 103.4281 by changing the saturation by 10% instead.

46.7257, 58.4556,
103.4281

46.7257, 58.4556,
103.4281

364.3858,
418.8815, 592.4687

33.0259, 42.1750,
78.5338

84.5253, 102.5860,
167.9531

22.3056, 29.2384,
57.9935

109.3558,
131.2047, 208.4208

14.1995, 19.2612,
41.3888

138.6272,
164.7048, 254.9168

8.3422, 11.8592,
28.3010

172.7049,
203.4708, 307.8595

4.3683, 6.6479,
18.3117

211.9543,
247.8871, 367.6675

1.9125, 3.2429,
11.0022

256.7406,

0.5841, 1.2598,

298.3380, 434.7593

5.9541

307.4293,
355.2080, 509.5536

■ 0.0000, 0.1098,
2.7489

■ 0.0000, 0.0000,
0.9679

■ 46.7257, 58.4556,
103.4281

■ 46.7257, 58.4556,
103.4281

■ 43.1822, 54.3929,
102.8307

■ 51.1756, 63.0710,
104.0844

■ 40.4476, 50.8282,
102.2867

■ 56.6060, 68.2747,
104.8026

■ 38.4099, 47.7040,
101.7911

■ 63.0891, 74.1058,
105.5864

■ 37.5857, 46.2913,
101.5619

■ 70.6885, 80.5980,
106.4390

■ 79.4625, 87.7822,
107.3633

■ 89.4653, 95.6872,
108.3619

95.0500, 100.0000,
108.9000

Harmonies

Analogous

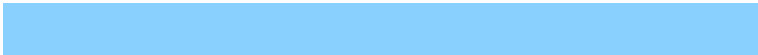
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.7430, 58.4556, 80.6288



46.7257, 58.4556, 103.4281



53.3497, 58.4556, 116.2145

Triad

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



46.7257, 58.4556, 103.4281



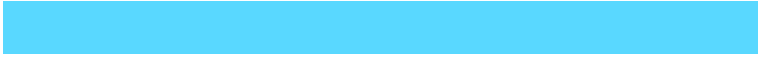
71.7341, 58.4556, 70.2831



50.2694, 58.4556, 31.4678

Complementary

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



46.7257, 58.4556, 103.4281



50.7636, 37.4215, 14.0008

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.



57.8311, 58.4556, 29.9444



46.7257, 58.4556, 103.4281



70.7135, 58.4556, 49.2366

Square

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



46.7257, 58.4556, 103.4281



68.1146, 58.4556, 94.3537



65.4437, 58.4556, 35.6529



44.6519, 58.4556, 40.4519

Rectangle

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



46.7257, 58.4556, 103.4281



58.5757, 58.4556, 115.6708



65.4437, 58.4556, 35.6529



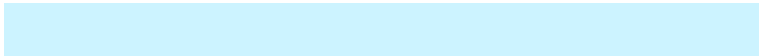
52.6502, 58.4556, 30.1654

Sweetspot

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



46.7274, 58.4576, 103.4284



75.0079, 84.1695, 106.9007



43.7600, 75.1960, 32.5406



15.5365, 17.5891, 22.8261



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.



46.7274, 58.4576, 103.4284



42.3086, 53.3079, 102.6673



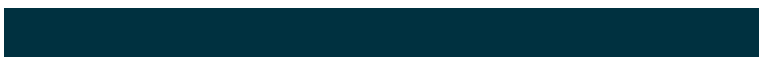
30.5958, 26.1944, 98.0512



18.1719, 19.7154, 23.0976



19.7596, 24.4288, 53.1084



2.0072, 2.5450, 5.1987

Inverse Universe

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



57.2082, 33.3644, 68.3926



54.0776, 28.6655, 62.5326



66.2723, 68.4388, 19.1704



18.5994, 18.2231, 21.7736



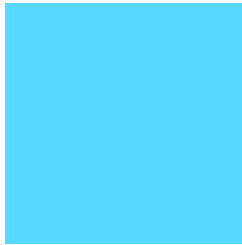
26.7619, 13.1941, 28.4605



2.6477, 1.3015, 2.9923

Previews

White Background



This preview shows how the XYZ color 46.7257, 58.4556, 103.4281 looks on a white background.

Color Contrast Check

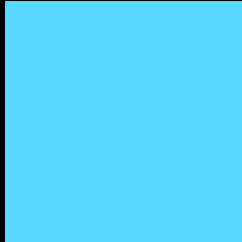
Large Text (above 18pt) WCAG AA × Fail

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 46.7257, 58.4556, 103.4281 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 46.7257, 58.4556, 103.4281

Background



This preview shows how black text looks on a background with the XYZ color 46.7257, 58.4556, 103.4281.

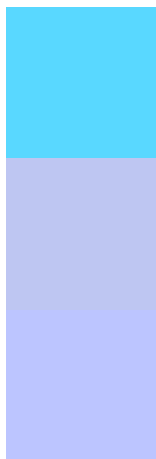


This preview shows how white text looks on a background with the XYZ color 46.7257, 58.4556,

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

46.7257, 58.4556, 103.4281

Protanopia

57.4563, 57.7461, 92.1222

Deuteranopia

58.7553, 57.8439, 102.6760



Tritanopia

43.8420, 58.4397, 89.0900

Trichromacy



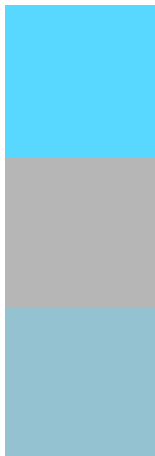
Original Color
46.7257, 58.4556, 103.4281

Protanomaly
51.7567, 57.1503, 96.2989

Deuteranomaly
52.5918, 57.0811, 102.8536

Tritanomaly
44.9678, 58.5135, 94.5121

Monochromacy



Original Color
46.7257, 58.4556, 103.4281

Achromatopsia
44.4628, 46.7784, 50.9417

Achromatomaly
43.0132, 49.4829, 67.6057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7257, 58.4556, 103.4281 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(89, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 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(89, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.7257, 58.4556, 103.4281 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(89, 216, 255) }
```


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

```
.border{ border-color:rgb(89, 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(89, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7257, 58.4556, 103.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 216, 255) }
```

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

```
.background{ background-color: rgb(89, 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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