

Converting Colors

XYZ(46.1789, 44.8959, 95.0388)

Have a look what the booklet for
XYZ(46.1789, 44.8959, 95.0388)
contains.

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Color

**XYZ(46.1789, 44.8959,
95.0388)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB0F8
RGB	156, 176, 248
RGB Percent	61%, 69%, 97%
CMY	0.3882, 0.3098, 0.0274
CMYK	0.37, 0.29, 0.00, 0.03
HSL	227°, 87%, 79%
HSV	227°, 37%, 97%
XYZ	46.1789, 44.8959, 95.0388
YIQ	178.2280, -35.0320, 18.1520

Conversions

Conversions Part 2

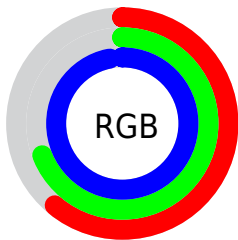
Format	Color
R _Y B	156, 172, 248
Decimal	10268920
CIE Lab	72.82, 10.21, -37.99
CIE LCh	73, 39.342, 285.046
Yxy	44.8959, 0.2481, 0.2412
Android (android.graphics.Color)	4288459000 (0xFF9CB0F8)
YUV	178.2280, 34.3976, -19.4940
Hunter-Lab	67.0044, 5.7631, -37.1936

Details

The XYZ color **46.1789, 44.8959, 95.0388** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.4567, 77.8449, 42.6609**, and the grayscale version is **42.2758, 44.4774, 48.4359**.

A 20% lighter version of the original color is **74.0665, 78.5180, 105.8595**, and **21.9785, 20.9436, 52.1743** is the 20% darker color. If you saturate the color by 10%, you get **38.3236, 35.5959, 93.6586**, and if you desaturate by 10%, it is **55.5611, 55.7926, 96.6484**.

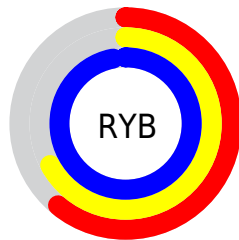
Distribution



Red (61%)

Green (69%)

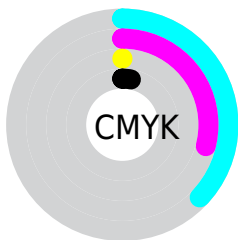
Blue (97%)



Red (61%)

Yellow (67%)

Blue (97%)

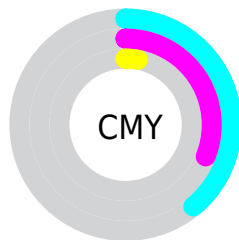


Cyan (37%)

Magenta (29%)

Yellow (0%)

Black (3%)



Cyan (39%)

Magenta (31%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1789, 44.8959, 95.0388 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 46.1789, 44.8959, 95.0388 by changing the saturation by 10% instead.

■ 46.1789, 44.8959,
95.0388

■ 46.1789, 44.8959,
95.0388

362.2313,
366.3518, 565.2767

■ 32.5922, 31.3754,
71.5702

■ 83.7129, 82.5642,
156.3142

■ 21.9720, 20.8849,
52.3230

■ 108.3909,
107.4808, 194.9582

■ 13.9528, 13.0399,
36.8786

137.4968,
136.9649, 239.4976

■ 8.1693, 7.4560,
24.8184

171.3959,
171.4009, 290.3512

■ 4.2562, 3.7489,
15.7240

210.4536,
211.1732, 347.9373

■ 1.8481, 1.5341,
9.1769

255.0351,

■ 0.5464, 0.3126,

256.6662, 412.6746

4.7583

305.5059,
308.2642, 484.9815

■ 0.0000, 0.0000,
2.0499

■ 0.0000, 0.0000,
0.5857

■ 46.1789, 44.8959,
95.0388

■ 46.1789, 44.8959,
95.0388

■ 38.3236, 35.5959,
93.6586

■ 55.5611, 55.7926,
96.6484

■ 31.9075, 27.8105,
92.4940

■ 66.5421, 68.3523,
98.4939

■ 26.8409, 21.4578,
91.5348

■ 79.1947, 82.6438,
100.5856

■ 23.0218, 16.4458,
90.7687

■ 93.5106, 98.6917,
102.9286

■ 20.3322, 12.6706,
90.1818

■ 93.9434, 99.5574,
103.0729

■ 18.6260, 10.0087,
89.7579

■ 18.2585, 9.4076,
89.6612

Harmonies

Analogous

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



39.3669, 44.8959, 95.0630



46.1789, 44.8959, 95.0388



52.6747, 44.8959, 80.6259

Triad

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



46.1789, 44.8959, 95.0388



52.6576, 44.8959, 26.7764



31.1831, 44.8959, 39.7925

Complementary

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



46.1789, 44.8959, 95.0388



72.4567, 77.8449, 42.6609

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.



34.0236, 44.8959, 26.8048



46.1789, 44.8959, 95.0388



46.1576, 44.8959, 20.7724

Square

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



46.1789, 44.8959, 95.0388



56.6782, 44.8959, 39.7420



39.3477, 44.8959, 20.7812



31.1875, 44.8959, 59.3304

Rectangle

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



46.1789, 44.8959, 95.0388



55.7444, 44.8959, 66.5634



39.3477, 44.8959, 20.7812



31.8223, 44.8959, 34.6500

Sweetspot

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



46.1805, 44.8976, 95.0399



78.8652, 81.8476, 106.2493



61.0798, 79.7241, 84.5061



16.4866, 17.0742, 22.6767



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.



46.1805, 44.8976, 95.0399



42.3978, 39.7980, 100.0549



47.7801, 40.3235, 94.0727



16.5889, 17.2546, 21.8414



9.9464, 5.2485, 48.4624



0.9955, 0.6348, 4.5132

Inverse Universe

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



58.4377, 46.8696, 47.0427



57.4640, 42.8131, 40.9257



70.1448, 85.2983, 44.2215



17.3990, 17.2870, 18.6911



21.3125, 10.9407, 3.0883



2.0114, 1.0283, 0.4836

Previews

White Background



This preview shows how the XYZ color 46.1789, 44.8959, 95.0388 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 46.1789, 44.8959, 95.0388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

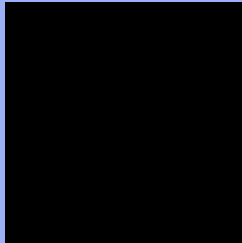
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1789, 44.8959, 95.0388

Background



This preview shows how black text looks on a background with the XYZ color 46.1789, 44.8959, 95.0388.



This preview shows how white text looks on a background with the XYZ color 46.1789, 44.8959,

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

46.1789, 44.8959, 95.0388

Protanopia

46.3732, 44.9961, 95.0479

Deuteranopia

45.9862, 44.7965, 95.0298



Tritanopia

39.4513, 44.8878, 61.2285

Trichromacy



Original Color

46.1789, 44.8959, 95.0388

Protanomaly

46.3732, 44.9961, 95.0479

Deuteranomaly

45.9862, 44.7965, 95.0298

Tritanomaly

41.6468, 44.8552, 72.1085

Monochromacy



Original Color

46.1789, 44.8959, 95.0388

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.0792, 44.3021, 62.7806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1789, 44.8959, 95.0388 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(156, 176, 248)` looks like.

```
.text, #text, p{  
    color:rgb(156, 176, 248)  
}
```

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(156, 176, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 176, 248) }
```

Border

The CSS property to change the border of an element to XYZ 46.1789, 44.8959, 95.0388 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(156, 176, 248) }
```


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

```
.border{ border-color:rgb(156, 176, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 176, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 176, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 176, 248);  
box-shadow:4px 4px 4px 4px rgb(156, 176,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1789, 44.8959, 95.0388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 176, 248) }
```

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

```
.background{ background-color: rgb(156,  
176, 248) }
```

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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