

Converting Colors

XYZ(56.9933, 46.7923,
100.6357)

Have a look what the booklet for
XYZ(56.9933, 46.7923, 100.6357)
contains.

XYZ(56.8793, 46.6798, 100.6200)	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(56.8793, 46.6798,
100.6200)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA3FF
RGB	207, 163, 255
RGB Percent	81%, 64%, 100%
CMY	0.1882, 0.3608, 0.0000
CMYK	0.19, 0.36, 0.00, 0.00
HSL	269°, 100%, 82%
HSV	269°, 36%, 100%
XYZ	56.8793, 46.6798, 100.6200
YIQ	186.6440, -3.3080, 37.9400

Conversions

Conversions Part 2

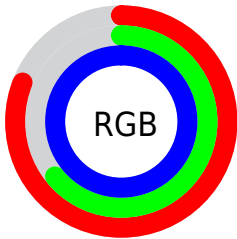
Format	Color
R_{YB}	207, 163, 255
Decimal	13607935
CIE _{Lab}	73.98, 33.48, -39.66
CIE _{LCh}	74, 51.906, 310.173
Yxy	46.6798, 0.2786, 0.2286
Android (android.graphics.Color)	4291798015 (0xFFCFA3FF)
YUV	186.6440, 33.6995, 17.8522
Hunter-Lab	68.3226, 29.0386, -39.4917

Details

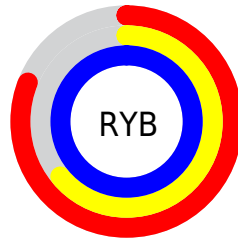
The XYZ color **56.8793, 46.6798, 100.6200** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.2357, 88.0136, 47.9915**, and the grayscale version is **46.8527, 49.2927, 53.6798**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **28.6400, 22.0254, 56.1679** is the 20% darker color. If you saturate the color by 10%, you get **49.2383, 36.6845, 99.0934**, and if you desaturate by 10%, it is **65.7493, 58.6658, 102.4660**.

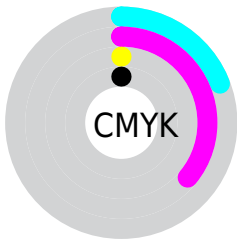
Distribution



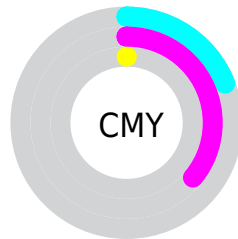
- Red (81%)
- Green (64%)
- Blue (100%)



- Red (81%)
- Yellow (64%)
- Blue (100%)



- Cyan (19%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8793, 46.6798, 100.6200 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 56.8793, 46.6798, 100.6200 by changing the saturation by 10% instead.


 56.8793, 46.6798,
100.6200


 56.8793, 46.6798,
100.6200

403.0184,
373.5350, 583.4423

 41.1481, 32.7826,
76.1987

 99.4214, 85.2355,
164.0682

 28.6230, 21.9600,
56.0878


 126.9631,
110.6627, 203.9322

 18.9387, 13.8275,
39.8688


159.1722,
140.7021, 249.7808

 11.7297, 8.0008,
27.1233

196.4143,
175.7380, 302.0326

 6.6308, 4.0954,
17.4326

239.0546,
216.1549, 361.1061

 3.2766, 1.7271,
10.3782

287.4584,

 1.3016, 0.4411,

262.3371, 427.4199

5.5415

341.9913,
314.6690, 501.3924

■ 0.1845, 0.0000,
2.5041

■ 0.0000, 0.0000,
0.8423

■ 56.8793, 46.6798,
100.6200

■ 56.8793, 46.6798,
100.6200

■ 49.2383, 36.6845,
99.0934

■ 65.7493, 58.6658,
102.4660

■ 42.7589, 28.5599,
97.8667

■ 75.9017, 72.7419,
104.6479

■ 37.3735, 22.1816,
96.9194

■ 87.3922, 89.0074,
107.1818

■ 33.0046, 17.4069,
96.2281

■ 95.0500, 100.0000,
108.9000

■ 29.5625, 14.0693,
95.7653

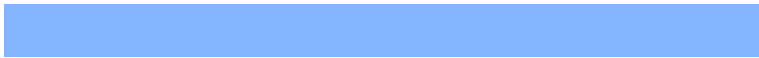
■ 26.9374, 11.9628,
95.4970

■ 26.0700, 11.3545,
95.4253

Harmonies

Analogous

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



47.5889, 46.6798, 119.3885



56.8793, 46.6798, 100.6200



63.3226, 46.6798, 70.1669

Triad

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



56.8793, 46.6798, 100.6200



50.6878, 46.6798, 16.3557



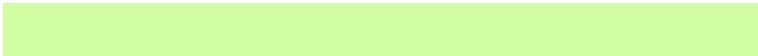
29.0432, 46.6798, 60.3797

Complementary

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



56.8793, 46.6798, 100.6200



69.2357, 88.0136, 47.9915

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.



29.6320, 46.6798, 35.4128



56.8793, 46.6798, 100.6200



41.2954, 46.6798, 15.3343

Square

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



56.8793, 46.6798, 100.6200



59.4175, 46.6798, 24.5088



33.8403, 46.6798, 20.9623



32.1015, 46.6798, 91.3494

Rectangle

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



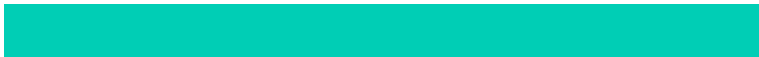
56.8793, 46.6798, 100.6200



64.6704, 46.6798, 50.6722



33.8403, 46.6798, 20.9623



28.8326, 46.6798, 50.9808

Sweetspot

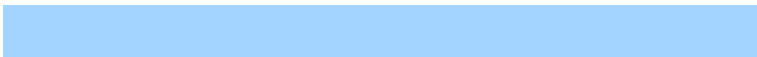
The Sweet Spot groups the original color and five complimentary colors.



56.8808, 46.6816, 100.6203



81.5647, 80.7201, 105.8894



56.7158, 62.1283, 103.6105



17.1272, 16.8094, 22.5918



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.



56.8808, 46.6816, 100.6203



51.4628, 39.5554, 99.5303



71.2687, 54.0989, 101.2936



17.8296, 17.8039, 22.7467



13.7922, 6.0206, 49.8697



1.4681, 0.6508, 4.8615

Inverse Universe

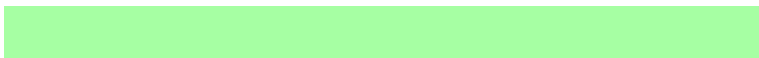
The Inverse Universe completely reimagines the original color for something new.



66.0960, 52.1591, 68.2132



62.1459, 45.9087, 61.8102



58.1120, 82.2791, 47.4709



18.4052, 18.1454, 20.7511



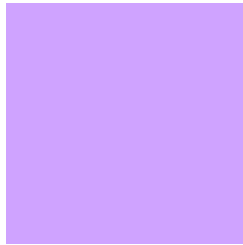
23.8385, 12.0247, 13.0659



2.3763, 1.1929, 1.5631

Previews

White Background



This preview shows how the XYZ color 56.8793, 46.6798, 100.6200 looks on a white background.

Color Contrast Check

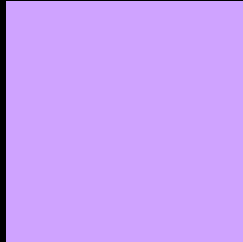
Large Text (above 18pt) WCAG AA × Fail

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 56.8793, 46.6798, 100.6200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

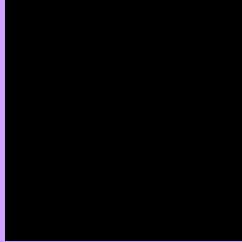
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8793, 46.6798, 100.6200

Background



This preview shows how black text looks on a background with the XYZ color 56.8793, 46.6798, 100.6200.



This preview shows how white text looks on a background with the XYZ color 56.8793, 46.6798,

100.6200.

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

56.8793, 46.6798, 100.6200

Protanopia

48.4718, 47.1316, 101.1503

Deuteranopia

48.1900, 47.0417, 98.6355



Tritanopia

47.5845, 46.5041, 55.1834

Trichromacy



Original Color

56.8793, 46.6798, 100.6200



Protanomaly

51.0905, 46.7222, 100.9333



Deuteranomaly

50.7702, 46.5941, 99.2462

Tritanomaly

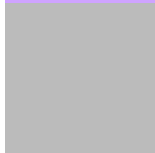
50.5199, 46.2602, 69.8848

Monochromacy



Original Color

56.8793, 46.6798, 100.6200



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

50.0522, 48.0636, 68.9265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8793, 46.6798, 100.6200 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(207, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 163, 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(207, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.8793, 46.6798, 100.6200 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(207, 163, 255) }
```


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

```
.border{ border-color:rgb(207, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8793, 46.6798, 100.6200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 163, 255) }
```

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

```
.background{ background-color: rgb(207,  
163, 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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