

Converting Colors

XYZ(45.2906, 46.1575, 79.4034)

Have a look what the booklet for
XYZ(45.2906, 46.1575, 79.4034)
contains.

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Color

**XYZ(45.2893, 46.2752,
79.2180)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B5E3
RGB	162, 181, 227
RGB Percent	64%, 71%, 89%
CMY	0.3647, 0.2902, 0.1098
CMYK	0.29, 0.20, 0.00, 0.11
HSL	222°, 54%, 76%
HSV	222°, 29%, 89%
XYZ	45.2893, 46.2752, 79.2180
YIQ	180.5630, -26.0900, 10.2780

Conversions

Conversions Part 2

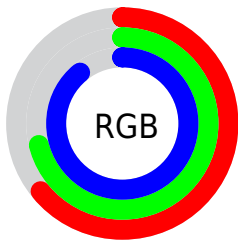
Format	Color
R _Y B	162, 177, 227
Decimal	10663395
CIE Lab	73.72, 3.79, -25.18
CIE LCh	74, 25.468, 278.560
Yxy	46.2752, 0.2652, 0.2710
Android (android.graphics.Color)	4288853475 (0xFFA2B5E3)
YUV	180.5630, 22.8934, -16.2798
Hunter-Lab	68.0259, -0.2061, -21.4267

Details

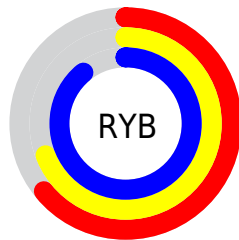
The XYZ color **45.2893, 46.2752, 79.2180** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.7567, 64.0518, 43.3448**, and the grayscale version is **43.5770, 45.8464, 49.9267**.

A 20% lighter version of the original color is **77.2476, 82.6938, 106.4979**, and **21.3765, 21.6298, 41.5764** is the 20% darker color. If you saturate the color by 10%, you get **38.0076, 37.9496, 77.9956**, and if you desaturate by 10%, it is **53.7830, 55.7869, 80.6071**.

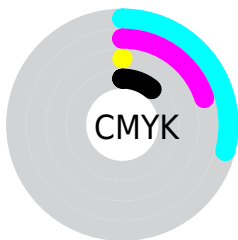
Distribution



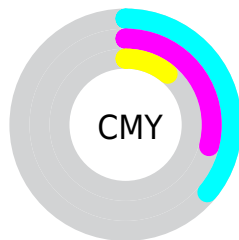
- Red (64%)
- Green (71%)
- Blue (89%)



- Red (64%)
- Yellow (69%)
- Blue (89%)



- Cyan (29%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2893, 46.2752, 79.2180 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 45.2893, 46.2752, 79.2180 by changing the saturation by 10% instead.

■ 45.2893, 46.2752,
79.2180

■ 45.2893, 46.2752,
79.2180

358.7080,
371.9139, 511.9306

■ 31.8876, 32.4630,
58.5527

■ 82.3888, 84.6307,
134.0672

■ 21.4308, 21.7154,
41.8355

■ 106.8172,
109.9428, 169.0881

■ 13.5535, 13.6479,
28.6479

135.6520,
139.8571, 209.7313

■ 7.8904, 7.8762,
18.5713

169.2585,
174.7579, 256.4154

■ 4.0761, 4.0158,
11.1873

208.0019,
215.0295, 309.5588

■ 1.7453, 1.6824,
6.0772

252.2478,

■ 0.4844, 0.4122,

261.0565, 369.5801

2.8225

302.3613,
313.2232, 436.8979

■ 0.0000, 0.0000,
1.0047

■ 0.0000, 0.0000,
0.0000

■ 45.2893, 46.2752,
79.2180

■ 45.2893, 46.2752,
79.2180

■ 38.0076, 37.9496,
77.9956

■ 53.7830, 55.7869,
80.6071

■ 31.8758, 30.7559,
76.9302

■ 63.5377, 66.5247,
82.1655

■ 26.8330, 24.6439,
76.0163

■ 74.6053, 78.5336,
83.9002

■ 22.8105, 19.5570,
75.2464

■ 87.0331, 91.8546,
85.8164

■ 19.7309, 15.4325,
74.6126

■ 90.8653, 98.3261,
86.8635

■ 17.5047, 12.2001,
74.1060

■ 16.0049, 9.7677,
73.7156

■ 15.8345, 9.4845,
73.6699

Harmonies

Analogous

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



40.8829, 46.2752, 77.2805



45.2893, 46.2752, 79.2180



49.6250, 46.2752, 72.4580

Triad

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



45.2893, 46.2752, 79.2180



51.1338, 46.2752, 36.4111



36.3807, 46.2752, 41.8259

Complementary

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



45.2893, 46.2752, 79.2180



60.7567, 64.0518, 43.3448

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.



38.7861, 46.2752, 33.3240



45.2893, 46.2752, 79.2180



47.2364, 46.2752, 30.5905

Square

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



45.2893, 46.2752, 79.2180



53.1475, 46.2752, 46.7717



42.7024, 46.2752, 29.5662



35.9380, 46.2752, 54.1815

Rectangle

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



45.2893, 46.2752, 79.2180



51.8212, 46.2752, 64.5129



42.7024, 46.2752, 29.5662



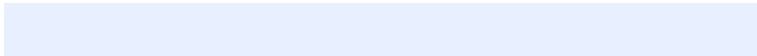
36.9783, 46.2752, 38.4881

Sweetspot

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



45.2908, 46.2770, 79.2191



82.1409, 85.9761, 106.8735



53.6942, 67.1500, 69.4848



17.1633, 17.9446, 22.8090



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.



45.2908, 46.2770, 79.2191



53.4752, 54.0034, 102.2130



44.4659, 40.5021, 78.1479



13.9244, 14.5702, 18.2228



9.3222, 5.7066, 42.9933



0.7671, 0.5781, 3.2031

Inverse Universe

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



52.9406, 45.5091, 49.7119



64.9958, 53.2553, 57.6836



61.7232, 71.8438, 44.7979



14.5494, 14.4370, 15.8277



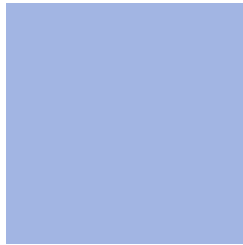
19.0989, 9.7738, 4.1500



1.4508, 0.7380, 0.5145

Previews

White Background



This preview shows how the XYZ color 45.2893, 46.2752, 79.2180 looks on a white background.

Color Contrast Check

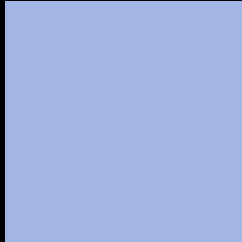
Large Text (above 18pt) WCAG AA × Fail

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 45.2893, 46.2752, 79.2180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

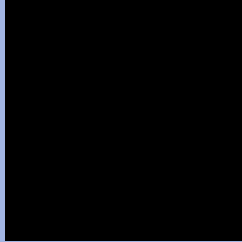
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

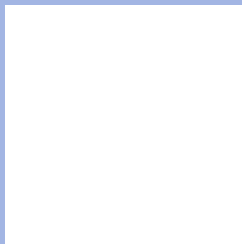
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2893, 46.2752, 79.2180

Background



This preview shows how black text looks on a background with the XYZ color 45.2893, 46.2752, 79.2180.



This preview shows how white text looks on a background with the XYZ color 45.2893, 46.2752,

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

45.2893, 46.2752, 79.2180

Protanopia

46.4251, 46.2772, 78.4370

Deuteranopia

47.1813, 46.0444, 79.7995



Tritanopia

41.8118, 46.4028, 62.0113

Trichromacy



Original Color

45.2893, 46.2752, 79.2180

Protanomaly

45.9851, 46.3490, 78.4741

Deuteranomaly

46.5015, 45.9883, 79.8245

Tritanomaly

42.8739, 46.2032, 67.6312

Monochromacy



Original Color

45.2893, 46.2752, 79.2180

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.1725, 46.1236, 60.0007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2893, 46.2752, 79.2180 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(162, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(162, 181, 227)  
}
```

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(162, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 181, 227) }
```

Border

The CSS property to change the border of an element to XYZ 45.2893, 46.2752, 79.2180 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(162, 181, 227) }
```


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

```
.border{ border-color:rgb(162, 181, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 181, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 181, 227);  
box-shadow:4px 4px 4px 4px rgb(162, 181,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2893, 46.2752, 79.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 181, 227) }
```

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

```
.background{ background-color: rgb(162,  
181, 227) }
```

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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