

Converting Colors

XYZ(45.6820, 48.4978, 71.9191)

Have a look what the booklet for
XYZ(45.6820, 48.4978, 71.9191)
contains.

XYZ(45.6820, 48.4978, 71.9191)	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(45.6820, 48.4978,
71.9191)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BBD8
RGB	165, 187, 216
RGB Percent	65%, 73%, 85%
CMY	0.3529, 0.2667, 0.1529
CMYK	0.24, 0.13, 0.00, 0.15
HSL	214°, 40%, 75%
HSV	214°, 24%, 85%
XYZ	45.6820, 48.4978, 71.9191
YIQ	183.7280, -22.4210, 4.3550

Conversions

Conversions Part 2

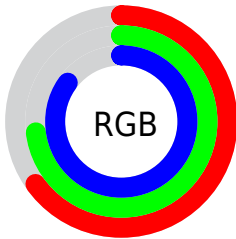
Format	Color
RYB	165, 180, 216
Decimal	10861528
CIELab	75.14, -1.18, -17.04
CIELCh	75, 17.084, 266.044
Yxy	48.4978, 0.2750, 0.2920
Android (android.graphics.Color)	4289051608 (0xFFA5BBD8)
YUV	183.7280, 15.9101, -16.4245
Hunter-Lab	69.6404, -4.7800, -12.4818

Details

The XYZ color **45.6820, 48.4978, 71.9191** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.4028, 55.8993, 43.5208**, and the grayscale version is **45.3350, 47.6960, 51.9409**.

A 20% lighter version of the original color is **79.9194, 86.6933, 107.1290**, and **21.6402, 23.0681, 37.0302** is the 20% darker color. If you saturate the color by 10%, you get **39.0682, 41.3854, 70.8957**, and if you desaturate by 10%, it is **53.2804, 56.4510, 73.0545**.

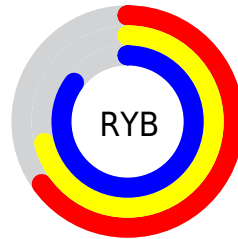
Distribution



Red (65%)

Green (73%)

Blue (85%)



Red (65%)

Yellow (71%)

Blue (85%)

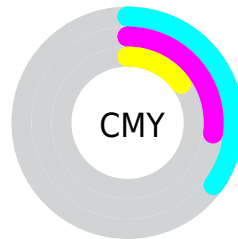


Cyan (24%)

Magenta (13%)

Yellow (0%)

Black (15%)



Cyan (35%)

Magenta (27%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6820, 48.4978, 71.9191 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 45.6820, 48.4978, 71.9191 by changing the saturation by 10% instead.

■ 45.6820, 48.4978,
71.9191

■ 45.6820, 48.4978,
71.9191

360.2661,
380.7619, 486.2299

■ 32.1985, 34.2213,
52.6062

■ 82.9737, 87.9451,
123.6482

■ 21.6695, 23.0636,
37.1029

■ 107.5126,
113.8847, 156.9014

■ 13.7295, 14.6405,
24.9908

136.4673,
144.4807, 195.6384

■ 8.0132, 8.5675,
15.8512

170.2032,
180.1177, 240.2778

■ 4.1553, 4.4602,
9.2657

209.0857,
221.1798, 291.2381

■ 1.7903, 1.9342,
4.8157

253.4801,

■ 0.5118, 0.5688,

268.0517, 348.9379

2.0827

303.7518,
321.1176, 413.7956

■ 0.0000, 0.0000,
0.6054

■ 0.0000, 0.0000,
0.0000

■ 45.6820, 48.4978,
71.9191

■ 45.6820, 48.4978,
71.9191

■ 39.0682, 41.3854,
70.8957

■ 53.2804, 56.4510,
73.0545

■ 33.3909, 35.0772,
69.9773

■ 61.8997, 65.2680,
74.3021

■ 28.6044, 29.5422,
69.1612

■ 71.5797, 74.9783,
75.6662

■ 24.6571, 24.7449,
68.4433

■ 82.3568, 85.6080,
77.1499

■ 21.4915, 20.6463,
67.8190

■ 87.3290, 93.6063,
78.4317

■ 19.0419, 17.2028,
67.2834

■ 89.3948, 97.7379,
79.1203

■ 17.2297, 14.3634,
66.8309

■ 16.3254, 12.8191,
66.5805

Harmonies

Analogous

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



42.8175, 48.4978, 68.4190



45.6820, 48.4978, 71.9191



48.7869, 48.4978, 69.8411

Triad

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



45.6820, 48.4978, 71.9191



51.7128, 48.4978, 45.5991



41.2852, 48.4978, 43.7580

Complementary

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



45.6820, 48.4978, 71.9191



54.4028, 55.8993, 43.5208

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.



43.5054, 48.4978, 38.7938



45.6820, 48.4978, 71.9191



49.5371, 48.4978, 39.7694

Square

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



45.6820, 48.4978, 71.9191



52.3593, 48.4978, 54.0032



46.5119, 48.4978, 37.4199



40.3527, 48.4978, 51.6264

Rectangle

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



45.6820, 48.4978, 71.9191



50.5618, 48.4978, 65.6856



46.5119, 48.4978, 37.4199



41.9006, 48.4978, 41.7304

Sweetspot

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



45.6835, 48.4998, 71.9202



85.6324, 90.4648, 107.5559



49.8003, 61.0026, 60.1310



18.1627, 19.1937, 22.9974



0.0000, 0.0000, 0.0000



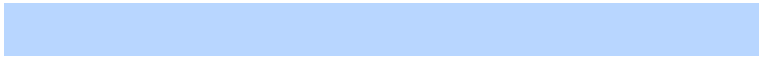
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.6835, 48.4998, 71.9202



61.8701, 65.6582, 104.0201



42.0846, 40.2381, 70.5152



12.1788, 12.8810, 15.7819



9.7656, 7.7930, 39.4426



0.6704, 0.6327, 2.4061

Inverse Universe

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



50.7449, 45.0983, 53.0461



70.4866, 60.2507, 71.8027



58.6730, 65.9157, 45.2290



12.6435, 12.5089, 14.0627



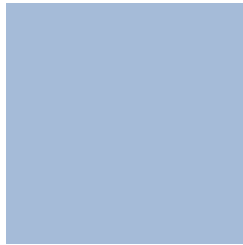
17.9881, 9.1316, 7.2413



1.1260, 0.5672, 0.6529

Previews

White Background



This preview shows how the XYZ color 45.6820, 48.4978, 71.9191 looks on a white background.

Color Contrast Check

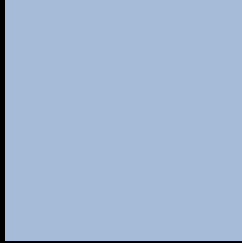
Large Text (above 18pt) WCAG AA × Fail

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 45.6820, 48.4978, 71.9191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

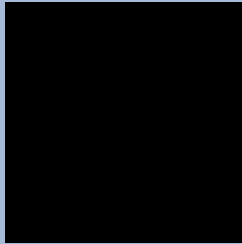
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

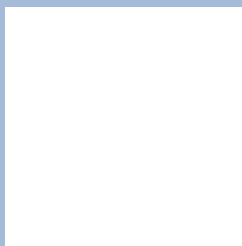
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6820, 48.4978, 71.9191

Background



This preview shows how black text looks on a background with the XYZ color 45.6820, 48.4978, 71.9191.



This preview shows how white text looks on a background with the XYZ color 45.6820, 48.4978,

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

45.6820, 48.4978, 71.9191

Protanopia

47.5341, 48.2548, 69.7596

Deuteranopia

49.3392, 48.2171, 72.3520



Tritanopia

44.2009, 48.5414, 64.1665

Trichromacy



Original Color

45.6820, 48.4978, 71.9191

Protanomaly

46.7336, 48.1347, 70.4461

Deuteranomaly

48.0483, 48.4604, 72.4670

Tritanomaly

44.6782, 48.4130, 66.6644

Monochromacy



Original Color

45.6820, 48.4978, 71.9191

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4442, 48.0306, 59.1002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6820, 48.4978, 71.9191 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(165, 187, 216)` looks like.

```
.text, #text, p{  
    color:rgb(165, 187, 216)  
}
```

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(165, 187, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 187, 216) }
```

Border

The CSS property to change the border of an element to XYZ 45.6820, 48.4978, 71.9191 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(165, 187, 216) }
```


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

```
.border{ border-color:rgb(165, 187, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 187, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 187, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 187, 216);  
box-shadow:4px 4px 4px 4px rgb(165, 187,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6820, 48.4978, 71.9191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 187, 216) }
```

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

```
.background{ background-color: rgb(165,  
187, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor