

Converting Colors

XYZ(45.3391, 48.4079, 67.9269)

Have a look what the booklet for
XYZ(45.3391, 48.4079, 67.9269)
contains.

XYZ(45.3395, 48.4093, 67.9270)	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(45.3395, 48.4093,
67.9270)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BBD2
RGB	167, 187, 210
RGB Percent	65%, 73%, 82%
CMY	0.3451, 0.2667, 0.1765
CMYK	0.20, 0.11, 0.00, 0.18
HSL	212°, 32%, 74%
HSV	212°, 20%, 82%
XYZ	45.3395, 48.4093, 67.9270
YIQ	183.6420, -19.3030, 2.9130

Conversions

Conversions Part 2

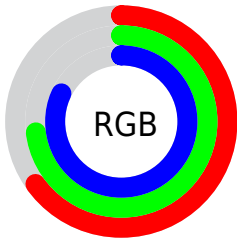
Format	Color
RYB	167, 181, 210
Decimal	10992594
CIELab	75.08, -1.92, -13.85
CIELCh	75, 13.987, 262.106
Yxy	48.4093, 0.2804, 0.2994
Android (android.graphics.Color)	4289182674 (0xFFA7BBD2)
YUV	183.6420, 12.9945, -14.5950
Hunter-Lab	69.5768, -5.4404, -9.1804

Details

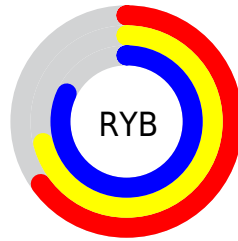
The XYZ color **45.3395, 48.4093, 67.9270** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.9672, 53.3185, 44.1127**, and the grayscale version is **45.3020, 47.6613, 51.9031**.

A 20% lighter version of the original color is **80.5320, 87.0092, 107.1577**, and **21.4653, 23.0279, 34.7660** is the 20% darker color. If you saturate the color by 10%, you get **38.9682, 41.7259, 66.9736**, and if you desaturate by 10%, it is **52.6205, 55.8408, 68.9785**.

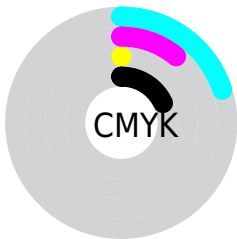
Distribution



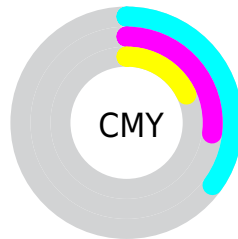
- Red (65%)
- Green (73%)
- Blue (82%)



- Red (65%)
- Yellow (71%)
- Blue (82%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (35%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3395, 48.4093, 67.9270 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 45.3395, 48.4093, 67.9270 by changing the saturation by 10% instead.

■ 45.3395, 48.4093,
67.9270

■ 45.3395, 48.4093,
67.9270

358.9074,
380.4122, 471.8284

■ 31.9273, 34.1511,
49.3720

■ 82.4636, 87.8135,
117.9009

■ 21.4613, 23.0097,
34.5470

■ 106.9062,
113.7283, 150.1570

■ 13.5760, 14.6007,
23.0334

135.7563,
144.2975, 187.8171

■ 7.9061, 8.5396,
14.4126

169.3794,
179.9054, 231.2999

■ 4.0862, 4.4421,
8.2662

208.1406,
220.9364, 281.0239

■ 1.7510, 1.9238,
4.1755

252.4055,

■ 0.4879, 0.5626,

267.7750, 337.4076

1.7221

302.5393,
320.8054, 400.8696

■ 0.0000, 0.0000,
0.3758

■ 0.0000, 0.0000,
0.0000

■ 45.3395, 48.4093,
67.9270

■ 45.3395, 48.4093,
67.9270

■ 38.9682, 41.7259,
66.9736

■ 52.6205, 55.8408,
68.9785

■ 33.4632, 35.7583,
66.1119

■ 60.8433, 64.0392,
70.1275

■ 28.7841, 30.4803,
65.3397

■ 70.0438, 73.0304,
71.3781

■ 24.8851, 25.8616,
64.6537

■ 80.2544, 82.8366,
72.7327

■ 21.7154, 21.8689,
64.0501

■ 84.9719, 90.1110,
73.8882

■ 19.2178, 18.4652,
63.5248

■ 88.4396, 97.0463,
75.0441

■ 17.3247, 15.6082,
63.0731

■ 88.6330, 97.4332,
75.1085

■ 15.9714, 13.3300,
62.7047

Harmonies

Analogous

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



43.0567, 48.4093, 64.6234



45.3395, 48.4093, 67.9270



47.8872, 48.4093, 66.8645

Triad

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



45.3395, 48.4093, 67.9270



50.7198, 48.4093, 47.5850



42.2388, 48.4093, 44.5237

Complementary

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



45.3395, 48.4093, 67.9270



51.9672, 53.3185, 44.1127

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.



44.1856, 48.4093, 40.7080



45.3395, 48.4093, 67.9270



49.0986, 48.4093, 42.3580

Square

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



45.3395, 48.4093, 67.9270



51.0566, 48.4093, 54.6675



46.6903, 48.4093, 39.9535



41.3103, 48.4093, 50.7988

Rectangle

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



45.3395, 48.4093, 67.9270



49.3884, 48.4093, 63.8641



46.6903, 48.4093, 39.9535



42.7924, 48.4093, 42.9358

Sweetspot

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



45.3410, 48.4113, 67.9281



87.0883, 92.1025, 107.7953



48.2708, 58.0243, 57.3336



18.4621, 19.5355, 23.0476



0.0000, 0.0000, 0.0000



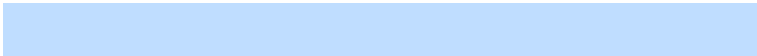
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3410, 48.4113, 67.9281



65.4301, 69.9914, 104.6689



41.6934, 40.6641, 66.6250



11.6105, 12.3112, 15.0080



9.8408, 8.3282, 38.2813



0.6293, 0.6237, 2.1668

Inverse Universe

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



49.3678, 44.9280, 53.0860



72.9638, 63.8461, 76.8180



56.1945, 62.3762, 45.6383



12.0343, 11.8984, 13.4563



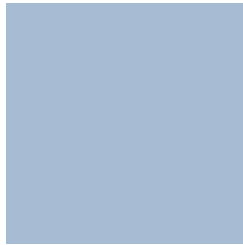
17.5979, 8.9120, 8.0547



1.0239, 0.5143, 0.6605

Previews

White Background



This preview shows how the XYZ color 45.3395, 48.4093, 67.9270 looks on a white background.

Color Contrast Check

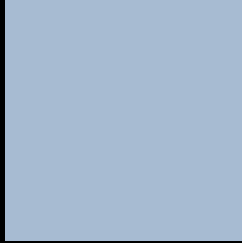
Large Text (above 18pt) WCAG AA × Fail

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 45.3395, 48.4093, 67.9270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

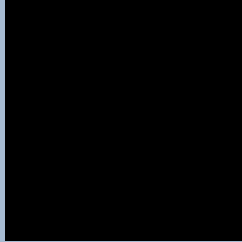
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

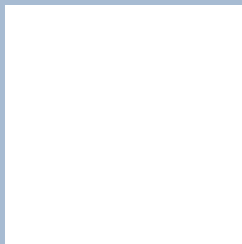
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3395, 48.4093, 67.9270

Background



This preview shows how black text looks on a background with the XYZ color 45.3395, 48.4093, 67.9270.



This preview shows how white text looks on a background with the XYZ color 45.3395, 48.4093,

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

45.3395, 48.4093, 67.9270

Protanopia

47.3747, 48.2448, 66.4898

Deuteranopia

49.3143, 48.2928, 68.3503



Tritanopia

44.4886, 48.3852, 63.4944

Trichromacy



Original Color

45.3395, 48.4093, 67.9270

Protanomaly

46.5536, 48.1145, 67.1550

Deuteranomaly

47.9828, 48.5152, 68.4634

Tritanomaly

44.8497, 48.5297, 65.3958

Monochromacy



Original Color

45.3395, 48.4093, 67.9270

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.3347, 48.0132, 57.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3395, 48.4093, 67.9270 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(167, 187, 210)` looks like.

```
.text, #text, p{  
    color:rgb(167, 187, 210)  
}
```

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(167, 187, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 187, 210) }
```

Border

The CSS property to change the border of an element to XYZ 45.3395, 48.4093, 67.9270 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(167, 187, 210) }
```


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

```
.border{ border-color:rgb(167, 187, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 187, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 187, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 187, 210); box-shadow:4px 4px 4px 4px rgb(167, 187, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3395, 48.4093, 67.9270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 187, 210) }
```

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

```
.background{ background-color: rgb(167,  
187, 210) }
```

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