

Converting Colors

XYZ(43.0155, 43.6282, 68.5773)

Have a look what the booklet for
XYZ(43.0155, 43.6282, 68.5773)
contains.

XYZ(42.9395, 43.5204, 68.4245)	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(42.9395, 43.5204,
68.4245)**

Conversions

Conversions Part 1

Format	Color
Hex	A6AFD4
RGB	166, 175, 212
RGB Percent	65%, 69%, 83%
CMY	0.3490, 0.3137, 0.1686
CMYK	0.22, 0.17, 0.00, 0.17
HSL	228°, 35%, 74%
HSV	228°, 22%, 83%
XYZ	42.9395, 43.5204, 68.4245
YIQ	176.5270, -17.2410, 9.5990

Conversions

Conversions Part 2

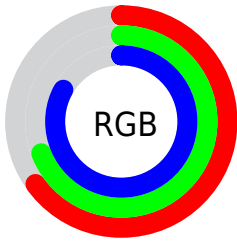
Format	Color
R_{YB}	166, 174, 212
Decimal	10923988
CIE _{Lab}	71.91, 4.75, -19.75
CIE _{LCh}	72, 20.309, 283.521
Yxy	43.5204, 0.2772, 0.2810
Android (android.graphics.Color)	4289114068 (0xFFA6AFD4)
YUV	176.5270, 17.4882, -9.2322
Hunter-Lab	65.9700, 0.7372, -15.3170

Details

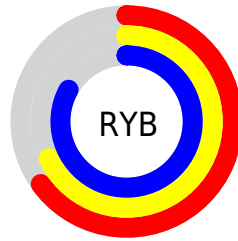
The XYZ color **42.9395, 43.5204, 68.4245** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.3907, 59.4621, 44.6354**, and the grayscale version is **41.4610, 43.6202, 47.5024**.

A 20% lighter version of the original color is **76.4710, 79.3432, 105.8921**, and **19.9788, 20.1109, 34.7271** is the 20% darker color. If you saturate the color by 10%, you get **35.7447, 35.1928, 67.1970**, and if you desaturate by 10%, it is **51.2886, 53.0674, 69.8279**.

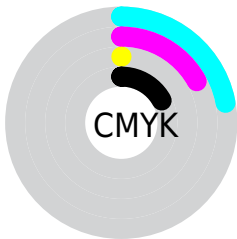
Distribution



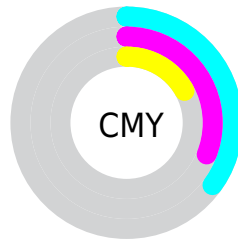
- Red (65%)
- Green (69%)
- Blue (83%)



- Red (65%)
- Yellow (68%)
- Blue (83%)



- Cyan (22%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9395, 43.5204, 68.4245 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 42.9395, 43.5204, 68.4245 by changing the saturation by 10% instead.

■ 42.9395, 43.5204,
68.4245

■ 42.9395, 43.5204,
68.4245

349.2886,
360.7476, 473.6374

■ 30.0320, 30.2936,
49.7743

■ 78.8758, 80.4956,
118.6192

■ 20.0110, 20.0616,
34.8642

■ 102.6353,
105.0128, 151.0007

■ 12.5114, 12.4398,
23.2756

130.7429,
134.0623, 188.7965

■ 7.1676, 7.0440,
14.5899

163.5638,
168.0284, 232.4250

■ 3.6144, 3.4896,
8.3887

201.4635,
207.2956, 282.3048

■ 1.4864, 1.3924,
4.2533

244.8073,

■ 0.3165, 0.2111,

252.2483, 338.8545

1.7653

293.9606,
303.2708, 402.4925

■ 0.0000, 0.0000,
0.4049

■ 0.0000, 0.0000,
0.0000

■ 42.9395, 43.5204,
68.4245

■ 42.9395, 43.5204,
68.4245

■ 35.7447, 35.1928,
67.1970

■ 51.2886, 53.0674,
69.8279

■ 29.6488, 28.0295,
66.1357

■ 60.8362, 63.8751,
71.4108

■ 24.5978, 21.9794,
65.2341

■ 71.6289, 75.9896,
73.1803

■ 20.5311, 16.9851,
64.4844

■ 83.7098, 89.4528,
75.1422

■ 17.3822, 12.9839,
63.8781

■ 88.8838, 97.5335,
76.4293

■ 15.0756, 9.9061,
63.4056

■ 13.5228, 7.6722,
63.0563

■ 12.6937, 6.3733,
62.8492

Harmonies

Analogous

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



39.5067, 43.5204, 68.1000



42.9395, 43.5204, 68.4245



46.1161, 43.5204, 62.5842

Triad

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



42.9395, 43.5204, 68.4245



46.3776, 43.5204, 35.4422



35.3090, 43.5204, 42.1858

Complementary

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



42.9395, 43.5204, 68.4245



55.3907, 59.4621, 44.6354

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.



36.9516, 43.5204, 34.8725



42.9395, 43.5204, 68.4245



43.2803, 43.5204, 31.3667

Square

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



42.9395, 43.5204, 68.4245



48.1745, 43.5204, 43.0707



39.8291, 43.5204, 31.1739



35.2291, 43.5204, 51.9810

Rectangle

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



42.9395, 43.5204, 68.4245



47.6085, 43.5204, 56.3969



39.8291, 43.5204, 31.1739



35.6924, 43.5204, 39.3906

Sweetspot

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



42.9409, 43.5222, 68.4255



84.3749, 87.9498, 107.1367



50.0259, 59.4971, 65.2233



17.8721, 18.6123, 22.9005



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.



42.9409, 43.5222, 68.4255



60.0061, 60.0889, 103.0434



44.2967, 41.7063, 68.0035



11.9374, 12.3982, 15.7014



7.8924, 4.0465, 38.8182



0.5346, 0.3612, 2.3608

Inverse Universe

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



48.5266, 44.3658, 46.5652



69.9953, 61.7751, 63.9098



53.7687, 61.8739, 45.1864



12.5216, 12.4601, 13.4210



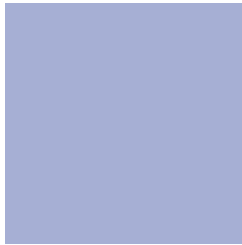
17.0426, 8.7533, 2.2622



1.0575, 0.5398, 0.2921

Previews

White Background



This preview shows how the XYZ color 42.9395, 43.5204, 68.4245 looks on a white background.

Color Contrast Check

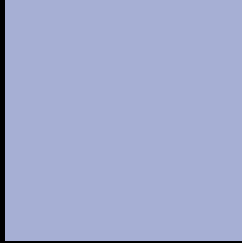
Large Text (above 18pt) WCAG AA × Fail

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 42.9395, 43.5204, 68.4245 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 42.9395, 43.5204, 68.4245

Background



This preview shows how black text looks on a background with the XYZ color 42.9395, 43.5204, 68.4245.



This preview shows how white text looks on a background with the XYZ color 42.9395, 43.5204,

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

42.9395, 43.5204, 68.4245

Protanopia

43.1682, 43.3504, 68.3796

Deuteranopia

44.4420, 43.4231, 68.9899



Tritanopia

40.4463, 43.3724, 56.6920

Trichromacy



Original Color

42.9395, 43.5204, 68.4245

Protanomaly

42.9561, 43.2411, 68.3697

Deuteranomaly

43.9671, 43.4619, 69.0225

Tritanomaly

41.2517, 43.4009, 60.8466

Monochromacy



Original Color

42.9395, 43.5204, 68.4245

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.0532, 43.6526, 54.9246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9395, 43.5204, 68.4245 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(166, 175, 212)` looks like.

```
.text, #text, p{  
    color:rgb(166, 175, 212)  
}
```

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(166, 175, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 175, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.9395, 43.5204, 68.4245 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(166, 175, 212) }
```


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

```
.border{ border-color:rgb(166, 175, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 175, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 175, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 175, 212);  
box-shadow:4px 4px 4px 4px rgb(166, 175,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9395, 43.5204, 68.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 175, 212) }
```

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

```
.background{ background-color: rgb(166,  
175, 212) }
```

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