

Converting Colors

XYZ(44.6225, 45.9043, 66.8168)

Have a look what the booklet for
XYZ(44.6225, 45.9043, 66.8168)
contains.

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Color

**XYZ(44.6245, 45.9039,
66.8300)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB4D1
RGB	171, 180, 209
RGB Percent	67%, 71%, 82%
CMY	0.3294, 0.2941, 0.1804
CMYK	0.18, 0.14, 0.00, 0.18
HSL	226°, 29%, 75%
HSV	226°, 18%, 82%
XYZ	44.6245, 45.9039, 66.8300
YIQ	180.6150, -14.6730, 7.1110

Conversions

Conversions Part 2

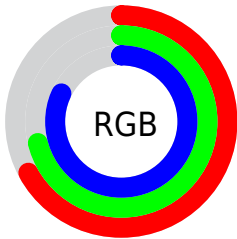
Format	Color
RYB	171, 178, 209
Decimal	11252945
CIELab	73.48, 2.91, -15.69
CIELCh	73, 15.954, 280.501
Yxy	45.9039, 0.2836, 0.2917
Android (android.graphics.Color)	4289443025 (0xFFABB4D1)
YUV	180.6150, 13.9938, -8.4324
Hunter-Lab	67.7524, -0.9994, -11.0561

Details

The XYZ color **44.6245, 45.9039, 66.8300** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **54.2999, 57.8042, 46.8246**, and the grayscale version is **43.6470, 45.9200, 50.0069**.

A 20% lighter version of the original color is **79.7240, 83.5418, 106.5310**, and **20.9770, 21.3969, 34.0347** is the 20% darker color. If you saturate the color by 10%, you get **37.3905, 37.6678, 65.6223**, and if you desaturate by 10%, it is **52.9516, 55.2559, 68.1970**.

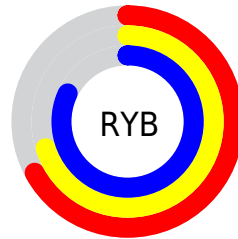
Distribution



Red (67%)

Green (71%)

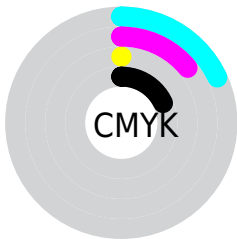
Blue (82%)



Red (67%)

Yellow (70%)

Blue (82%)

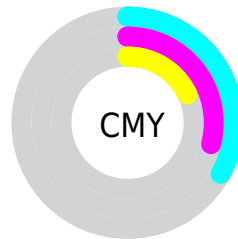


Cyan (18%)

Magenta (14%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (29%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6245, 45.9039, 66.8300 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 44.6245, 45.9039, 66.8300 by changing the saturation by 10% instead.

■ 44.6245, 45.9039,
66.8300

■ 44.6245, 45.9039,
66.8300

356.0600,
370.4222, 467.8244

■ 31.3618, 32.1700,
48.4858

■ 81.3972, 84.0752,
116.3151

■ 21.0277, 21.4914,
33.8490

105.6379,
109.2813, 148.2931

■ 13.2568, 13.4837,
22.5012

134.2686,
139.0803, 185.6527

■ 7.6838, 7.7624,
14.0238

167.6547,
173.8566, 228.8125

■ 3.9434, 3.9433,
7.9983

206.1615,
213.9945, 278.1910

■ 1.6702, 1.6419,
4.0061

250.1544,

■ 0.4375, 0.3856,

259.8785, 334.2068

1.6287

299.9988,
311.8929, 397.2784

■ 0.0000, 0.0000,
0.3112

■ 0.0000, 0.0000,
0.0000

■ 44.6245, 45.9039,
66.8300

■ 44.6245, 45.9039,
66.8300

■ 37.3905, 37.6678,
65.6223

■ 52.9516, 55.2559,
68.1970

■ 31.1993, 30.4995,
64.5650

■ 62.4111, 65.7581,
69.7255

■ 26.0024, 24.3557,
63.6530

■ 73.0454, 77.4506,
71.4219

■ 21.7462, 19.1878,
62.8798

■ 84.8934, 90.3694,
73.2911

■ 18.3715, 14.9433,
62.2384

■ 88.5088, 97.3835,
74.4544

■ 15.8120, 11.5639,
61.7210

■ 13.9913, 8.9844,
61.3191

■ 12.8028, 7.1209,
61.0221

■ 12.6286, 6.8431,
60.9776

Harmonies

Analogous

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



41.8480, 45.9039, 66.0688



44.6245, 45.9039, 66.8300



47.2418, 45.9039, 62.7231

Triad

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



44.6245, 45.9039, 66.8300



47.8779, 45.9039, 40.5724



38.7231, 45.9039, 44.9826

Complementary

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



44.6245, 45.9039, 66.8300



54.2999, 57.8042, 46.8246

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.



40.2076, 45.9039, 39.0941



44.6245, 45.9039, 66.8300



45.4625, 45.9039, 36.7438

Square

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



44.6245, 45.9039, 66.8300



49.1731, 45.9039, 47.2085



42.6509, 45.9039, 36.2334



38.5205, 45.9039, 52.8612

Rectangle

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



44.6245, 45.9039, 66.8300



48.5142, 45.9039, 58.0119



42.6509, 45.9039, 36.2334



39.0857, 45.9039, 42.7288

Sweetspot

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



44.6259, 45.9058, 66.8310



87.4881, 91.6100, 107.6791



49.9630, 58.4066, 62.9789



18.5065, 19.3640, 23.0122



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.



44.6259, 45.9058, 66.8310



65.1676, 66.5302, 104.0147



45.0116, 43.4939, 66.3452



11.3878, 11.8658, 14.9338



7.8502, 4.3471, 37.6178



0.5017, 0.3685, 2.1243

Inverse Universe

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



49.0968, 45.9776, 49.4690



73.5480, 66.8239, 71.4347



53.8381, 60.7527, 47.4181



11.9219, 11.8535, 12.8644



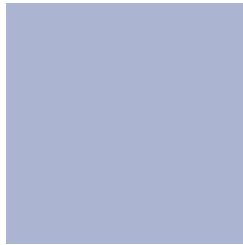
16.5932, 8.5101, 2.7639



0.9594, 0.4885, 0.3213

Previews

White Background



This preview shows how the XYZ color 44.6245, 45.9039, 66.8300 looks on a white background.

Color Contrast Check

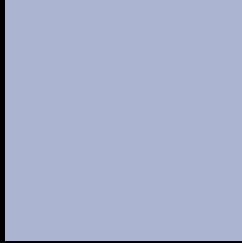
Large Text (above 18pt) WCAG AA × Fail

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 44.6245, 45.9039, 66.8300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

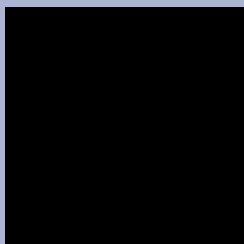
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.6245, 45.9039, 66.8300

Background



This preview shows how black text looks on a background with the XYZ color 44.6245, 45.9039, 66.8300.



This preview shows how white text looks on a background with the XYZ color 44.6245, 45.9039,

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

44.6245, 45.9039, 66.8300

Protanopia

45.1845, 45.9082, 66.1542

Deuteranopia

46.9254, 45.8942, 67.3580



Tritanopia

43.1682, 45.9221, 59.4120

Trichromacy



Original Color

44.6245, 45.9039, 66.8300

Protanomaly

44.9608, 45.7929, 66.1437

Deuteranomaly

45.9454, 45.6811, 67.3685

Tritanomaly

43.6441, 45.8108, 61.8004

Monochromacy



Original Color

44.6245, 45.9039, 66.8300

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.0593, 46.1564, 55.8771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6245, 45.9039, 66.8300 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(171, 180, 209)` looks like.

```
.text, #text, p{  
    color:rgb(171, 180, 209)  
}
```

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(171, 180, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 180, 209) }
```

Border

The CSS property to change the border of an element to XYZ 44.6245, 45.9039, 66.8300 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(171, 180, 209) }
```


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

```
.border{ border-color:rgb(171, 180, 209) }
```

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

Here you see how a box with a 4 pixel rgb(171, 180, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 180, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 180, 209);  
box-shadow:4px 4px 4px 4px rgb(171, 180,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6245, 45.9039, 66.8300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 180, 209) }
```

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

```
.background{ background-color: rgb(171,  
180, 209) }
```

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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