

Converting Colors

XYZ(45.5752, 43.4777, 67.6241)

Have a look what the booklet for
XYZ(45.5752, 43.4777, 67.6241)
contains.

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Color

**XYZ(45.6610, 43.5199,
67.6216)**

Conversions

Conversions Part 1

Format	Color
Hex	B7AAD3
RGB	183, 170, 211
RGB Percent	72%, 67%, 83%
CMY	0.2823, 0.3333, 0.1725
CMYK	0.13, 0.19, 0.00, 0.17
HSL	259°, 32%, 75%
HSV	259°, 19%, 83%
XYZ	45.6610, 43.5199, 67.6216
YIQ	178.5610, -5.4130, 15.5070

Conversions

Conversions Part 2

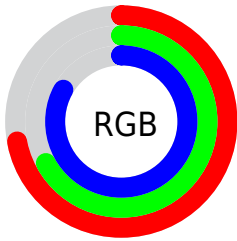
Format	Color
RYB	183, 170, 211
Decimal	12036819
CIELab	71.91, 12.69, -19.07
CIELCh	72, 22.909, 303.636
Yxy	43.5199, 0.2912, 0.2775
Android (android.graphics.Color)	4290226899 (0xFFB7AAD3)
YUV	178.5610, 15.9924, 3.8930
Hunter-Lab	65.9696, 8.1023, -14.5960

Details

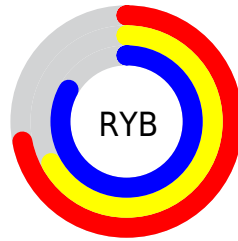
The XYZ color **45.6610, 43.5199, 67.6216** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.8403, 61.4977, 47.0649**, and the grayscale version is **42.5352, 44.7503, 48.7331**.

A 20% lighter version of the original color is **80.5718, 79.4211, 105.6910**, and **21.6851, 20.1030, 34.1898** is the 20% darker color. If you saturate the color by 10%, you get **38.7649, 34.5576, 66.2559**, and if you desaturate by 10%, it is **53.5456, 53.9364, 69.2173**.

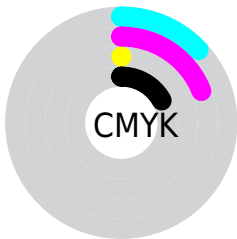
Distribution



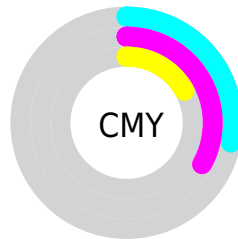
- Red (72%)
- Green (67%)
- Blue (83%)



- Red (72%)
- Yellow (67%)
- Blue (83%)



- Cyan (13%)
- Magenta (19%)
- Yellow (0%)
- Black (17%)



- Cyan (28%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6610, 43.5199, 67.6216 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 45.6610, 43.5199, 67.6216 by changing the saturation by 10% instead.

■ 45.6610, 43.5199,
67.6216

■ 45.6610, 43.5199,
67.6216

360.1829,
360.7455, 470.7158

■ 32.1819, 30.2932,
49.1252

■ 82.9424, 80.4948,
117.4597

■ 21.6567, 20.0613,
34.3525

107.4754,
105.0119, 149.6385

■ 13.7200, 12.4396,
22.8850

136.4237,
134.0612, 187.2152

■ 8.0066, 7.0438,
14.3041

170.1528,
168.0272, 230.6083

■ 4.1510, 3.4895,
8.1913

209.0278,
207.2942, 280.2364

■ 1.7879, 1.3923,
4.1281

253.4143,

■ 0.5104, 0.2111,

252.2467, 336.5180

1.6959

303.6775,
303.2690, 399.8716

■ 0.0000, 0.0000,
0.3579

■ 0.0000, 0.0000,
0.0000

■ 45.6610, 43.5199,
67.6216

■ 45.6610, 43.5199,
67.6216

■ 38.7649, 34.5576,
66.2559

■ 53.5456, 53.9364,
69.2173

■ 32.8124, 26.9782,
65.1066

■ 62.4530, 65.8632,
71.0499

■ 27.7613, 20.7124,
64.1634

■ 72.4205, 79.3601,
73.1298

■ 23.5642, 15.6827,
63.4138

■ 83.4826, 94.4821,
75.4656

■ 20.1690, 11.8032,
62.8439

■ 88.7580, 97.4832,
75.7668

■ 17.5173, 8.9765,
62.4381

■ 15.5415, 7.0882,
62.1777

■ 14.1353, 5.9481,
62.0318

■ 14.0655, 5.8928,
62.0248

Harmonies

Analogous

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



41.8420, 43.5199, 72.2276



45.6610, 43.5199, 67.6216



48.4576, 43.5199, 57.5827

Triad

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



45.6610, 43.5199, 67.6216



44.7864, 43.5199, 30.6229



34.3194, 43.5199, 48.7615

Complementary

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



45.6610, 43.5199, 67.6216



53.8403, 61.4977, 47.0649

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.



34.9995, 43.5199, 38.4699



45.6610, 43.5199, 67.6216



40.8904, 43.5199, 29.0137

Square

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



45.6610, 43.5199, 67.6216



47.9308, 43.5199, 36.4523



37.3461, 43.5199, 31.6527



35.4269, 43.5199, 60.3123

Rectangle

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



45.6610, 43.5199, 67.6216



49.2780, 43.5199, 49.8078



37.3461, 43.5199, 31.6527



34.3469, 43.5199, 45.0436

Sweetspot

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



45.6624, 43.5217, 67.6226



86.6214, 88.6954, 107.1622



48.5348, 53.6464, 69.4254



18.3518, 18.7323, 22.8984



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.



45.6624, 43.5217, 67.6226



65.8769, 61.2966, 102.9671



50.8944, 46.2189, 67.8674



11.5114, 11.5970, 14.8754



8.5829, 3.6049, 37.4359



0.5618, 0.2438, 2.0970

Inverse Universe

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



51.4332, 46.6774, 59.7271



76.2583, 66.9777, 88.5751



48.8008, 58.8998, 46.8290



12.1447, 11.9426, 14.0375



19.3036, 9.5943, 17.0369



1.1145, 0.5505, 1.1377

Previews

White Background



This preview shows how the XYZ color 45.6610, 43.5199, 67.6216 looks on a white background.

Color Contrast Check

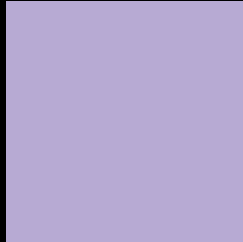
Large Text (above 18pt) WCAG AA × Fail

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 45.6610, 43.5199, 67.6216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

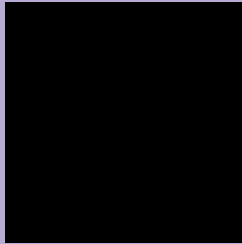
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6610, 43.5199, 67.6216

Background



This preview shows how black text looks on a background with the XYZ color 45.6610, 43.5199, 67.6216.



This preview shows how white text looks on a background with the XYZ color 45.6610, 43.5199,

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

45.6610, 43.5199, 67.6216

Protanopia

43.4039, 43.7305, 69.7715

Deuteranopia

44.4149, 43.4383, 67.6715



Tritanopia

42.8036, 43.4866, 53.7147

Trichromacy



Original Color

45.6610, 43.5199, 67.6216

Protanomaly

44.1874, 43.5755, 69.0328

Deuteranomaly

44.9112, 43.4127, 67.6404

Tritanomaly

43.7298, 43.5760, 58.3307

Monochromacy



Original Color

45.6610, 43.5199, 67.6216

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.7517, 44.5156, 55.5766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6610, 43.5199, 67.6216 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(183, 170, 211)` looks like.

```
.text, #text, p{  
    color:rgb(183, 170, 211)  
}
```

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(183, 170, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 170, 211) }
```

Border

The CSS property to change the border of an element to XYZ 45.6610, 43.5199, 67.6216 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(183, 170, 211) }
```


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

```
.border{ border-color:rgb(183, 170, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 170, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 170, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 170, 211);  
box-shadow:4px 4px 4px 4px rgb(183, 170,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6610, 43.5199, 67.6216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 170, 211) }
```

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

```
.background{ background-color: rgb(183,  
170, 211) }
```

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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