

Converting Colors

XYZ(45.5134, 45.0421, 66.7600)

Have a look what the booklet for
XYZ(45.5134, 45.0421, 66.7600)
contains.

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Color

**XYZ(45.6244, 45.2378,
66.6487)**

Conversions

Conversions Part 1

Format	Color
Hex	B3B0D1
RGB	179, 176, 209
RGB Percent	70%, 69%, 82%
CMY	0.2980, 0.3098, 0.1804
CMYK	0.14, 0.16, 0.00, 0.18
HSL	245°, 26%, 75%
HSV	245°, 16%, 82%
XYZ	45.6244, 45.2378, 66.6487
YIQ	180.6590, -8.8050, 10.8990

Conversions

Conversions Part 2

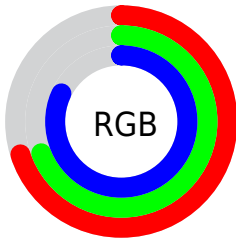
Format	Color
R_{YB}	179, 176, 209
Decimal	11776209
CIE _{Lab}	73.05, 7.66, -16.28
CIE _{LCh}	73, 17.996, 295.204
Yxy	45.2378, 0.2897, 0.2872
Android (android.graphics.Color)	4289966289 (0xFFB3B0D1)
YUV	180.6590, 13.9721, -1.4549
Hunter-Lab	67.2591, 3.3801, -11.6706

Details

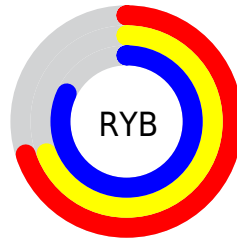
The XYZ color **45.6244, 45.2378, 66.6487** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.0920, 61.8584, 50.0598**, and the grayscale version is **43.6685, 45.9426, 50.0315**.

A 20% lighter version of the original color is **81.1676, 82.5954, 106.2723**, and **21.7282, 21.2175, 33.9605** is the 20% darker color. If you saturate the color by 10%, you get **37.7448, 35.5545, 65.1956**, and if you desaturate by 10%, it is **54.7428, 56.4986, 68.3424**.

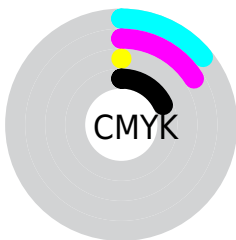
Distribution



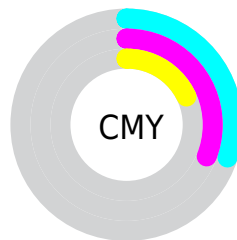
- Red (70%)
- Green (69%)
- Blue (82%)



- Red (70%)
- Yellow (69%)
- Blue (82%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (30%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6244, 45.2378, 66.6487 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 45.6244, 45.2378, 66.6487 by changing the saturation by 10% instead.

■ 45.6244, 45.2378,
66.6487

■ 45.6244, 45.2378,
66.6487

360.0378,
367.7358, 467.1607

■ 32.1529, 31.6448,
48.3394

■ 82.8879, 83.0771,
116.0528

■ 21.6344, 21.0903,
33.7338

107.4106,
108.0922, 147.9846

■ 13.7036, 13.1900,
22.4135

136.3478,
137.6835, 185.2943

■ 7.9951, 7.5595,
13.9598

170.0648,
172.2353, 228.4005

■ 4.1436, 3.8144,
7.9543

208.9269,
212.1320, 277.7217

■ 1.7837, 1.5703,
3.9784

253.2996,

■ 0.5078, 0.3375,

257.7581, 333.6764

1.6135

303.5481,
309.4979, 396.6833

■ 0.0000, 0.0000,
0.3004

■ 0.0000, 0.0000,
0.0000

■ 45.6244, 45.2378,
66.6487

■ 45.6244, 45.2378,
66.6487

■ 37.7448, 35.5545,
65.1956

■ 54.7428, 56.4986,
68.3424

■ 31.0466, 27.3728,
63.9695

■ 65.1459, 69.3971,
70.2837

■ 25.4738, 20.6191,
62.9596

■ 76.8825, 83.9972,
72.4833

■ 20.9643, 15.2114,
62.1535

■ 88.5088, 97.3835,
74.4543

■ 17.4501, 11.0590,
61.5372

■ 14.8551, 8.0603,
61.0952

■ 13.0921, 6.0978,
60.8093

■ 12.0562, 5.0275,
60.6573

■ 11.7771, 4.7419,
60.6169

Harmonies

Analogous

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



42.4935, 45.2378, 68.6108



45.6244, 45.2378, 66.6487



48.1573, 45.2378, 59.8162

Triad

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



45.6244, 45.2378, 66.6487



46.5416, 45.2378, 36.3579



37.2477, 45.2378, 47.8224

Complementary

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



45.6244, 45.2378, 66.6487



56.0920, 61.8584, 50.0598

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.



38.2195, 45.2378, 40.0186



45.6244, 45.2378, 66.6487



43.5048, 45.2378, 33.9338

Square

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



45.6244, 45.2378, 66.6487



48.7047, 45.2378, 42.2424



40.4728, 45.2378, 35.1880



37.7539, 45.2378, 57.0065

Rectangle

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



45.6244, 45.2378, 66.6487



49.1136, 45.2378, 53.8132



40.4728, 45.2378, 35.1880



37.4109, 45.2378, 44.9641

Sweetspot

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



45.6258, 45.2397, 66.6497



86.9799, 90.0006, 107.3953



51.5460, 58.0978, 68.8195



18.3834, 18.9744, 22.9435



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.



45.6258, 45.2397, 66.6497



67.1043, 65.4698, 103.7079



49.6058, 47.2914, 66.8360



11.2619, 11.4683, 14.8637



7.2977, 2.9424, 37.3758



0.4432, 0.1826, 2.0915

Inverse Universe

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



52.9618, 49.0640, 65.0732



80.7931, 72.6076, 100.6909



51.8111, 59.6515, 49.8595



12.2625, 11.9898, 14.6584



21.9628, 10.6579, 31.0397



1.2419, 0.6015, 1.8085

Previews

White Background



This preview shows how the XYZ color 45.6244, 45.2378, 66.6487 looks on a white background.

Color Contrast Check

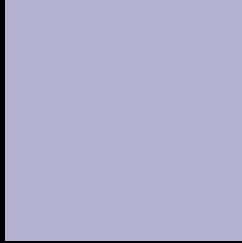
Large Text (above 18pt) WCAG AA × Fail

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 45.6244, 45.2378, 66.6487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

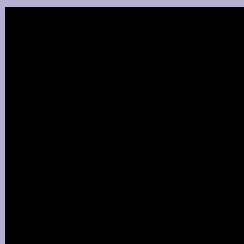
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6244, 45.2378, 66.6487

Background



This preview shows how black text looks on a background with the XYZ color 45.6244, 45.2378, 66.6487.



This preview shows how white text looks on a background with the XYZ color 45.6244, 45.2378,

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

45.6244, 45.2378, 66.6487

Protanopia

44.7868, 45.3782, 67.3711

Deuteranopia

46.1300, 45.2085, 66.6164



Tritanopia

43.6502, 45.3206, 56.8992

Trichromacy



Original Color

45.6244, 45.2378, 66.6487

Protanomaly

45.0342, 45.2114, 67.3259

Deuteranomaly

45.8947, 45.0872, 66.6054

Tritanomaly

44.3607, 45.3114, 60.4408

Monochromacy



Original Color

45.6244, 45.2378, 66.6487

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.3465, 45.7051, 55.7749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6244, 45.2378, 66.6487 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(179, 176, 209)` looks like.

```
.text, #text, p{  
    color:rgb(179, 176, 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(179, 176, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 176, 209) }
```

Border

The CSS property to change the border of an element to XYZ 45.6244, 45.2378, 66.6487 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(179, 176, 209) }
```


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

```
.border{ border-color:rgb(179, 176, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 176, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 176, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 176, 209); box-shadow:4px 4px 4px 4px rgb(179, 176, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6244, 45.2378, 66.6487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 176, 209) }
```

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

```
.background{ background-color: rgb(179,  
176, 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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