

Converting Colors

XYZ(47.5822, 45.3404, 68.5314)

Have a look what the booklet for
XYZ(47.5822, 45.3404, 68.5314)
contains.

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Color

**XYZ(47.5663, 45.3320,
68.5303)**

Conversions

Conversions Part 1

Format	Color
Hex	BCADD4
RGB	188, 173, 212
RGB Percent	74%, 68%, 83%
CMY	0.2627, 0.3216, 0.1686
CMYK	0.11, 0.18, 0.00, 0.17
HSL	263°, 31%, 75%
HSV	263°, 18%, 83%
XYZ	47.5663, 45.3320, 68.5303
YIQ	181.9310, -3.5790, 15.3090

Conversions

Conversions Part 2

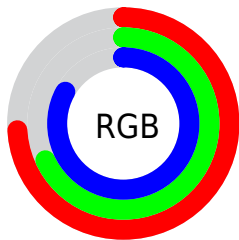
Format	Color
RYB	188, 173, 212
Decimal	12365268
CIELab	73.11, 12.87, -17.76
CIELCh	73, 21.935, 305.940
Yxy	45.3320, 0.2947, 0.2808
Android (android.graphics.Color)	4290555348 (0xFFBCADD4)
YUV	181.9310, 14.8240, 5.3225
Hunter-Lab	67.3290, 8.2800, -13.2175

Details

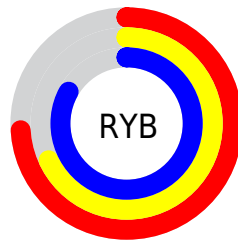
The XYZ color **47.5663, 45.3320, 68.5303** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.1138, 61.9756, 48.6477**, and the grayscale version is **44.3504, 46.6600, 50.8128**.

A 20% lighter version of the original color is **83.1016, 81.9399, 106.0438**, and **22.7547, 21.1774, 34.7866** is the 20% darker color. If you saturate the color by 10%, you get **40.7494, 36.2552, 67.1383**, and if you desaturate by 10%, it is **55.3216, 55.8524, 70.1529**.

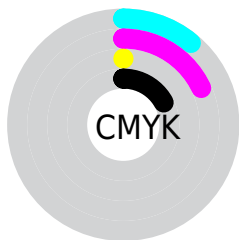
Distribution



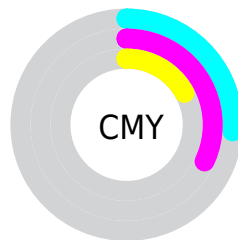
- Red (74%)
- Green (68%)
- Blue (83%)



- Red (74%)
- Yellow (68%)
- Blue (83%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (26%)
- Magenta (32%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5663, 45.3320, 68.5303 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 47.5663, 45.3320, 68.5303 by changing the saturation by 10% instead.

■ 47.5663, 45.3320,
68.5303

■ 47.5663, 45.3320,
68.5303

367.6817,
368.1165, 474.0216

■ 33.6934, 31.7190,
49.8599

■ 85.7719, 83.2184,
118.7718

■ 22.8199, 21.1470,
34.9317

110.8353,
108.2606, 151.1800

■ 14.5806, 13.2315,
23.3271

140.3596,
137.8813, 189.0046

■ 8.6099, 7.5881,
14.6277

174.7102,
172.4649, 232.6641

■ 4.5427, 3.8326,
8.4148

214.2523,
212.3959, 282.5769

■ 2.0135, 1.5803,
4.2699

259.3513,

■ 0.6415, 0.3443,

258.0585, 339.1618

1.7746

310.3727,
309.8373, 402.8372

■ 0.0000, 0.0000,
0.4111

■ 0.0000, 0.0000,
0.0000

■ 47.5663, 45.3320,
68.5303

■ 47.5663, 45.3320,
68.5303

■ 40.7494, 36.2552,
67.1383

■ 55.3216, 55.8524,
70.1529

■ 34.8287, 28.5517,
65.9634

■ 64.0468, 67.8712,
72.0129

■ 29.7648, 22.1537,
64.9954

■ 73.7771, 81.4472,
74.1205

■ 25.5135, 16.9852,
64.2218

■ 83.6433, 94.8319,
76.1840

■ 22.0264, 12.9621,
63.6291

■ 88.2378, 97.2005,
76.3990

■ 19.2489, 9.9893,
63.2017

■ 88.8838, 97.5335,
76.4292

■ 17.1181, 7.9555,
62.9214

■ 15.5436, 6.6951,
62.7611

■ 15.3230, 6.5265,
62.7402

Harmonies

Analogous

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



43.8552, 45.3320, 73.5140



47.5663, 45.3320, 68.5303



50.1849, 45.3320, 58.4894

Triad

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



47.5663, 45.3320, 68.5303



46.1669, 45.3320, 32.4617



36.1536, 45.3320, 51.5792

Complementary

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



47.5663, 45.3320, 68.5303



54.1138, 61.9756, 48.6477

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.



36.6915, 45.3320, 41.2317



47.5663, 45.3320, 68.5303



42.3273, 45.3320, 31.1758

Square

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



47.5663, 45.3320, 68.5303



49.3439, 45.3320, 37.9610



38.8976, 45.3320, 34.1445



37.3822, 45.3320, 62.8364

Rectangle

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



47.5663, 45.3320, 68.5303



50.8775, 45.3320, 50.8708



38.8976, 45.3320, 34.1445



36.1348, 45.3320, 47.8771

Sweetspot

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



47.5677, 45.3339, 68.5313



86.9822, 88.8814, 107.1791



49.0965, 53.5945, 70.0452



18.4369, 18.7762, 22.9024



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.



47.5677, 45.3339, 68.5313



68.1097, 63.3108, 103.2382



52.6866, 47.9728, 68.7709



12.1897, 12.2392, 15.6574



9.5634, 4.0826, 38.7371



0.6678, 0.2932, 2.3407

Inverse Universe

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



52.1745, 47.9174, 59.3245



76.4092, 67.9683, 86.5013



49.3449, 59.5171, 48.4245



12.7412, 12.5480, 14.5775



19.3191, 9.6640, 14.2504



1.2051, 0.5988, 1.0696

Previews

White Background



This preview shows how the XYZ color 47.5663, 45.3320, 68.5303 looks on a white background.

Color Contrast Check

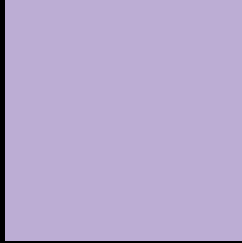
Large Text (above 18pt) WCAG AA × Fail

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 47.5663, 45.3320, 68.5303 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 47.5663, 45.3320, 68.5303

Background



This preview shows how black text looks on a background with the XYZ color 47.5663, 45.3320, 68.5303.



This preview shows how white text looks on a background with the XYZ color 47.5663, 45.3320,

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

47.5663, 45.3320, 68.5303

Protanopia

45.1994, 45.5177, 70.6935

Deuteranopia

46.2697, 45.2372, 68.5803



Tritanopia

45.1337, 45.5202, 55.6977

Trichromacy



Original Color

47.5663, 45.3320, 68.5303

Protanomaly

46.0230, 45.3707, 69.9501

Deuteranomaly

46.7869, 45.2159, 68.5490

Tritanomaly

46.0838, 45.6133, 60.4082

Monochromacy



Original Color

47.5663, 45.3320, 68.5303

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.5129, 46.2808, 56.9864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5663, 45.3320, 68.5303 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(188, 173, 212)` looks like.

```
.text, #text, p{  
    color:rgb(188, 173, 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(188, 173, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 173, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.5663, 45.3320, 68.5303 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(188, 173, 212) }
```


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

```
.border{ border-color:rgb(188, 173, 212) }
```

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

Here you see how a box with a 4 pixel rgb(188, 173, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 173, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 173, 212);  
box-shadow:4px 4px 4px 4px rgb(188, 173,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5663, 45.3320, 68.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 173, 212) }
```

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

```
.background{ background-color: rgb(188,  
173, 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](#).

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