

Converting Colors

XYZ(46.6885, 45.5071, 67.3466)

Have a look what the booklet for
XYZ(46.6885, 45.5071, 67.3466)
contains.

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Color

**XYZ(46.7300, 45.5034,
67.2929)**

Conversions

Conversions Part 1

Format	Color
Hex	B8AFD2
RGB	184, 175, 210
RGB Percent	72%, 69%, 82%
CMY	0.2784, 0.3137, 0.1765
CMYK	0.12, 0.17, 0.00, 0.18
HSL	255°, 28%, 75%
HSV	255°, 17%, 82%
XYZ	46.7300, 45.5034, 67.2929
YIQ	181.6810, -5.8710, 12.7930

Conversions

Conversions Part 2

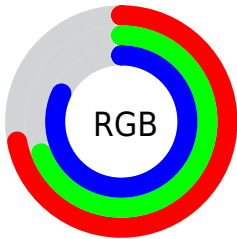
Format	Color
RYB	184, 175, 210
Decimal	12103634
CIELab	73.22, 10.05, -16.53
CIELCh	73, 19.344, 301.304
Yxy	45.5034, 0.2929, 0.2852
Android (android.graphics.Color)	4290293714 (0xFFB8AFD2)
YUV	181.6810, 13.9613, 2.0338
Hunter-Lab	67.4562, 5.6067, -11.9271

Details

The XYZ color **46.7300, 45.5034, 67.2929** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.8734, 61.6070, 49.5587**, and the grayscale version is **44.2200, 46.5228, 50.6634**.

A 20% lighter version of the original color is **82.5611, 82.8971, 106.2570**, and **22.3594, 21.3578, 33.9543** is the 20% darker color. If you saturate the color by 10%, you get **39.4232, 36.1346, 65.8704**, and if you desaturate by 10%, it is **55.0873, 56.3597, 68.9486**.

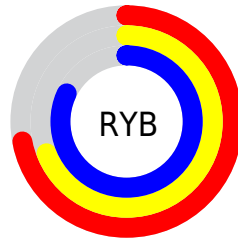
Distribution



Red (72%)

Green (69%)

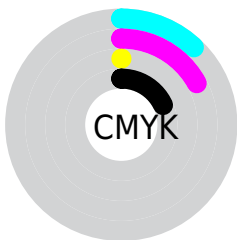
Blue (82%)



Red (72%)

Yellow (69%)

Blue (82%)

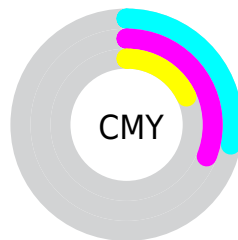


Cyan (12%)

Magenta (17%)

Yellow (0%)

Black (18%)



Cyan (28%)

Magenta (31%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7300, 45.5034, 67.2929 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 46.7300, 45.5034, 67.2929 by changing the saturation by 10% instead.

■ 46.7300, 45.5034,
67.2929

■ 46.7300, 45.5034,
67.2929

364.4027,
368.8085, 469.5165

■ 33.0293, 31.8541,
48.8596

■ 84.5317, 83.4753,
116.9846

■ 22.3082, 21.2501,
34.1433

109.3633,
108.5667, 149.0802

■ 14.2014, 13.3069,
22.7255

138.6361,
138.2410, 186.5668

■ 8.3435, 7.6402,
14.1875

172.7152,
172.8824, 229.8632

■ 4.3692, 3.8656,
8.1110

211.9660,
212.8755, 279.3878

■ 1.9130, 1.5987,
4.0772

256.7540,

■ 0.5844, 0.3567,

258.6047, 335.5592

1.6678

307.4444,
310.4542, 398.7959

■ 0.0000, 0.0000,
0.3385

■ 0.0000, 0.0000,
0.0000

■ 46.7300, 45.5034,
67.2929

■ 46.7300, 45.5034,
67.2929

■ 39.4232, 36.1346,
65.8704

■ 55.0873, 56.3597,
68.9486

■ 33.1202, 28.1822,
64.6676

■ 64.5311, 68.7590,
70.8442

■ 27.7768, 21.5776,
63.6744

■ 75.1008, 82.7612,
72.9898

■ 23.3437, 16.2443,
62.8786

■ 85.5414, 95.8394,
74.9639

■ 19.7670, 12.0980,
62.2668

■ 88.6330, 97.4332,
75.1085

■ 16.9866, 9.0437,
61.8238

■ 14.9340, 6.9715,
61.5320

■ 13.5242, 5.7410,
61.3688

■ 13.1539, 5.4373,
61.3297

Harmonies

Analogous

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



43.3983, 45.5034, 70.6794



46.7300, 45.5034, 67.2929



49.2308, 45.5034, 59.0730

Triad

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



46.7300, 45.5034, 67.2929



46.4596, 45.5034, 34.8920



37.0475, 45.5034, 49.9721

Complementary

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



46.7300, 45.5034, 67.2929



54.8734, 61.6070, 49.5587

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.



37.7737, 45.5034, 41.1017



46.7300, 45.5034, 67.2929



43.1013, 45.5034, 33.1100

Square

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



46.7300, 45.5034, 67.2929



49.0690, 45.5034, 40.4546



39.9465, 45.5034, 35.2298



37.9095, 45.5034, 59.9053

Rectangle

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



46.7300, 45.5034, 67.2929



50.0271, 45.5034, 52.4254



39.9465, 45.5034, 35.2298



37.1137, 45.5034, 46.7729

Sweetspot

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



46.7314, 45.5053, 67.2939



87.7173, 90.3808, 107.4298



50.2585, 55.6584, 69.0678



18.5620, 19.0665, 22.9518



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.



46.7314, 45.5053, 67.2939



68.2916, 65.1747, 103.5884



51.1189, 47.7672, 67.4992



11.4446, 11.5625, 14.8722



8.1035, 3.3578, 37.4135



0.5281, 0.2264, 2.0954

Inverse Universe

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



52.4524, 48.5805, 61.8727



78.8430, 70.8498, 93.4358



50.4932, 59.3490, 49.3537



12.1756, 11.9550, 14.2003



19.9159, 9.8392, 20.2612



1.1448, 0.5626, 1.2974

Previews

White Background



This preview shows how the XYZ color 46.7300, 45.5034, 67.2929 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 46.7300, 45.5034, 67.2929 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 46.7300, 45.5034, 67.2929

Background



This preview shows how black text looks on a background with the XYZ color 46.7300, 45.5034, 67.2929.



This preview shows how white text looks on a background with the XYZ color 46.7300, 45.5034,

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

46.7300, 45.5034, 67.2929

Protanopia

45.0376, 45.4785, 68.6918

Deuteranopia

46.4913, 45.3804, 67.2817



Tritanopia

44.4909, 45.4703, 56.3009

Trichromacy



Original Color

46.7300, 45.5034, 67.2929

Protanomaly

45.6115, 45.4945, 68.0054

Deuteranomaly

46.4913, 45.3804, 67.2817

Tritanomaly

45.3223, 45.5129, 60.4290

Monochromacy



Original Color

46.7300, 45.5034, 67.2929

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.1630, 46.1133, 56.3896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7300, 45.5034, 67.2929 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(184, 175, 210)` looks like.

```
.text, #text, p{  
    color:rgb(184, 175, 210)  
}
```

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(184, 175, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 175, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.7300, 45.5034, 67.2929 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(184, 175, 210) }
```


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

```
.border{ border-color:rgb(184, 175, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 175, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 175, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 175, 210);  
box-shadow:4px 4px 4px 4px rgb(184, 175,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7300, 45.5034, 67.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 175, 210) }
```

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

```
.background{ background-color: rgb(184,  
175, 210) }
```

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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