

Converting Colors

XYZ(50.4647, 45.2258, 90.0741)

Have a look what the booklet for
XYZ(50.4647, 45.2258, 90.0741)
contains.

XYZ(50.4647, 45.2258, 90.0741)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.4647, 45.2258,
90.0741)**

Conversions

Conversions Part 1

Format	Color
Hex	BAA9F2
RGB	186, 169, 242
RGB Percent	73%, 66%, 95%
CMY	0.2706, 0.3372, 0.0510
CMYK	0.23, 0.30, 0.00, 0.05
HSL	254°, 74%, 81%
HSV	254°, 30%, 95%
XYZ	50.4647, 45.2258, 90.0741
YIQ	182.4050, -13.3010, 26.3070

Conversions

Conversions Part 2

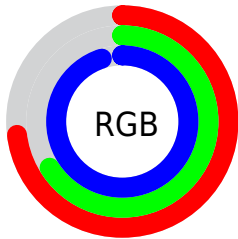
Format	Color
R _Y B	186, 169, 242
Decimal	12233202
CIE Lab	73.04, 21.08, -34.23
CIE LCh	73, 40.201, 301.625
Yxy	45.2258, 0.2717, 0.2435
Android (android.graphics.Color)	4290423282 (0xFFBAA9F2)
YUV	182.4050, 29.3803, 3.1528
Hunter-Lab	67.2501, 16.2592, -32.3373

Details

The XYZ color **50.4647, 45.2258, 90.0741** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.9660, 82.3774, 49.7507**, and the grayscale version is **44.5354, 46.8547, 51.0247**.

A 20% lighter version of the original color is **81.6678, 79.5860, 105.6650**, and **24.7399, 21.1733, 49.2373** is the 20% darker color. If you saturate the color by 10%, you get **42.1517, 34.8650, 88.5132**, and if you desaturate by 10%, it is **60.1999, 57.5586, 91.9422**.

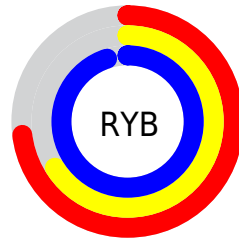
Distribution



Red (73%)

Green (66%)

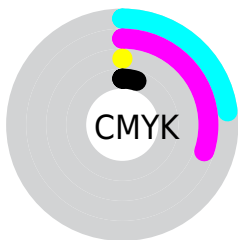
Blue (95%)



Red (73%)

Yellow (66%)

Blue (95%)

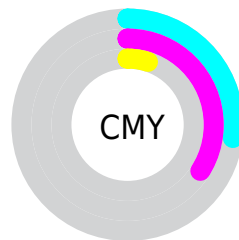


Cyan (23%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (34%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4647, 45.2258, 90.0741 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 50.4647, 45.2258, 90.0741 by changing the saturation by 10% instead.

■ 50.4647, 45.2258,
90.0741

■ 50.4647, 45.2258,
90.0741

378.9024,
367.6873, 548.8482

■ 36.0021, 31.6353,
67.4680

■ 90.0507, 83.0591,
149.3777

■ 24.6059, 21.0831,
49.0011

■ 115.9048,
108.0708, 186.9124

■ 15.9109, 13.1848,
34.2547

146.2868,
137.6583, 230.2603

■ 9.5515, 7.5559,
22.8104

181.5621,
172.2060, 279.8401

■ 5.1626, 3.8121,
14.2496

222.0959,
212.0984, 336.0702

■ 2.3787, 1.5690,
8.1537

268.2537,

■ 0.8345, 0.3366,

257.7198, 399.3693

4.1043

320.4007,
309.4546, 470.1557

■ 0.0000, 0.0000,
1.6827

■ 0.0000, 0.0000,
0.3489

■ 50.4647, 45.2258,
90.0741

■ 50.4647, 45.2258,
90.0741

■ 42.1517, 34.8650,
88.5132

■ 60.1999, 57.5586,
91.9422

■ 35.1879, 26.3671,
87.2399

■ 71.4163, 71.9539,
94.1296

■ 29.5004, 19.6207,
86.2375

■ 84.1753, 88.5031,
96.6515

■ 25.0074, 14.5000,
85.4859

■ 93.0272, 99.1909,
98.2479

■ 21.6168, 10.8616,
84.9624

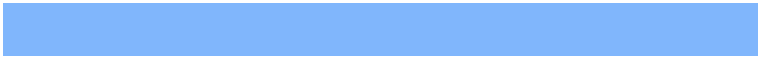
■ 19.2215, 8.5365,
84.6398

■ 17.6780, 7.2619,
84.4751

Harmonies

Analogous

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



43.3699, 45.2258, 98.9176



50.4647, 45.2258, 90.0741



55.9995, 45.2258, 70.0107

Triad

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



50.4647, 45.2258, 90.0741



49.7300, 45.2258, 22.4460



30.8479, 45.2258, 50.3483

Complementary

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



50.4647, 45.2258, 90.0741



69.9660, 82.3774, 49.7507

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.



32.1627, 45.2258, 33.0516



50.4647, 45.2258, 90.0741



42.6039, 45.2258, 19.8127

Square

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



50.4647, 45.2258, 90.0741



55.5439, 45.2258, 31.6164



36.2849, 45.2258, 23.1020



32.4794, 45.2258, 72.4406

Rectangle

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



50.4647, 45.2258, 90.0741



57.7820, 45.2258, 55.0954



36.2849, 45.2258, 23.1020



30.9592, 45.2258, 43.8208

Sweetspot

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



50.4662, 45.2276, 90.0751



81.9776, 83.0339, 106.3142



59.6368, 69.3396, 94.2459



17.1231, 17.2259, 22.6724



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.



50.4662, 45.2276, 90.0751



51.0887, 43.7474, 100.3592



60.1316, 50.2103, 90.5275



15.2417, 15.4063, 19.8920



9.5959, 3.9523, 45.3850



0.8832, 0.3726, 3.7796

Inverse Universe

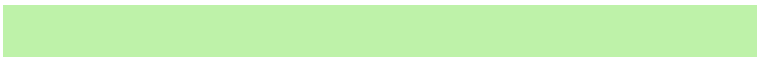
The Inverse Universe completely reimagines the original color for something new.



64.3977, 52.6910, 78.0115



69.1697, 53.4443, 84.2275



60.0711, 77.2763, 49.2876



16.2876, 15.9648, 19.0709



24.4676, 12.0595, 26.1765



2.0732, 1.0183, 2.3762

Previews

White Background



This preview shows how the XYZ color 50.4647, 45.2258, 90.0741 looks on a white background.

Color Contrast Check

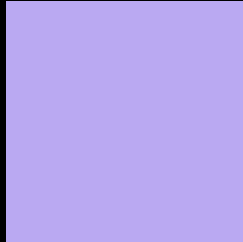
Large Text (above 18pt) WCAG AA × Fail

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 50.4647, 45.2258, 90.0741 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 50.4647, 45.2258, 90.0741

Background



This preview shows how black text looks on a background with the XYZ color 50.4647, 45.2258, 90.0741.



This preview shows how white text looks on a background with the XYZ color 50.4647, 45.2258,

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

50.4647, 45.2258, 90.0741

Protanopia

46.7660, 45.4907, 95.1227

Deuteranopia

46.5546, 45.5221, 88.7710



Tritanopia

43.8772, 45.4376, 56.9098

Trichromacy



Original Color

50.4647, 45.2258, 90.0741

Protanomaly

47.9191, 45.2508, 93.3974

Deuteranomaly

47.8078, 45.2809, 89.4394

Tritanomaly

45.9102, 45.0664, 67.9070

Monochromacy



Original Color

50.4647, 45.2258, 90.0741

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.1497, 45.8712, 63.5484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4647, 45.2258, 90.0741 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(186, 169, 242)` looks like.

```
.text, #text, p{  
    color:rgb(186, 169, 242)  
}
```

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(186, 169, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 169, 242) }
```

Border

The CSS property to change the border of an element to XYZ 50.4647, 45.2258, 90.0741 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(186, 169, 242) }
```


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

```
.border{ border-color:rgb(186, 169, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 169, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 169, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 169, 242);  
box-shadow:4px 4px 4px 4px rgb(186, 169,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4647, 45.2258, 90.0741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 169, 242) }
```

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

```
.background{ background-color: rgb(186,  
169, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor