

Converting Colors

XYZ(45.2136, 42.5675, 66.2201)

Have a look what the booklet for
XYZ(45.2136, 42.5675, 66.2201)
contains.

XYZ(45.0945, 42.4312, 66.1349)	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(45.0945, 42.4312,
66.1349)**

Conversions

Conversions Part 1

Format	Color
Hex	B8A7D1
RGB	184, 167, 209
RGB Percent	72%, 65%, 82%
CMY	0.2784, 0.3451, 0.1804
CMYK	0.12, 0.20, 0.00, 0.18
HSL	264°, 31%, 74%
HSV	264°, 20%, 82%
XYZ	45.0945, 42.4312, 66.1349
YIQ	176.8710, -3.3500, 16.6660

Conversions

Conversions Part 2

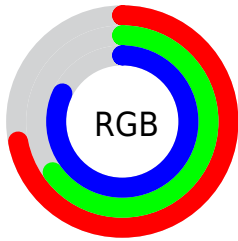
Format	Color
RYB	184, 167, 209
Decimal	12101585
CIELab	71.17, 14.25, -19.09
CIElCh	71, 23.821, 306.742
Yxy	42.4312, 0.2935, 0.2761
Android (android.graphics.Color)	4290291665 (0xFFB8A7D1)
YUV	176.8710, 15.8396, 6.2521
Hunter-Lab	65.1392, 9.5781, -14.5988

Details

The XYZ color **45.0945, 42.4312, 66.1349** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.5151, 59.5985, 45.3497**, and the grayscale version is **41.6441, 43.8129, 47.7122**.

A 20% lighter version of the original color is **80.1065, 77.9878, 105.4388**, and **21.3235, 19.4199, 33.1964** is the 20% darker color. If you saturate the color by 10%, you get **38.7207, 33.9144, 64.8276**, and if you desaturate by 10%, it is **52.3518, 52.3242, 67.6626**.

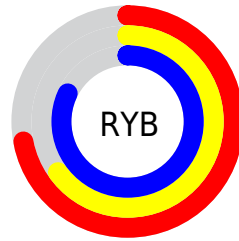
Distribution



Red (72%)

Green (65%)

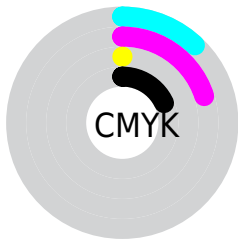
Blue (82%)



Red (72%)

Yellow (65%)

Blue (82%)

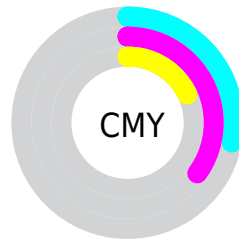


Cyan (12%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (28%)


Magenta (35%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0945, 42.4312, 66.1349 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 45.0945, 42.4312, 66.1349 by changing the saturation by 10% instead.


 45.0945, 42.4312,
66.1349


 45.0945, 42.4312,
66.1349


357.9334,
356.2673, 465.2766

 31.7335, 29.4391,
47.9247


 82.0984, 78.8518,
115.3088

 21.3126, 19.4132,
33.4077


 106.4720,
103.0491, 147.1096

 13.4664, 11.9692,
22.1653


135.2471,
131.7502, 184.2777

 7.8297, 6.7227,
13.7789

168.7891,
165.3396, 227.2316

 4.0371, 3.2893,
7.8301

207.4634,
204.2016, 276.3899

 1.7231, 1.2846,
3.9002

251.6353,

 0.4707, 0.1292,

248.7206, 332.1712

1.5708

301.6702,
299.2811, 394.9939

■ 0.0000, 0.0000,
0.2698

■ 0.0000, 0.0000,
0.0000

■ 45.0945, 42.4312,
66.1349

■ 45.0945, 42.4312,
66.1349

■ 38.7207, 33.9144,
64.8276

■ 52.3518, 52.3242,
67.6626

■ 33.1901, 26.7056,
63.7276

■ 60.5228, 63.6468,
69.4174

■ 28.4648, 20.7388,
62.8250

■ 69.6411, 76.4559,
71.4092

■ 24.5025, 15.9399,
62.1075

■ 79.7373, 90.8037,
73.6465

■ 21.2562, 12.2265,
61.5619

■ 85.3474, 95.7537,
74.3063

■ 18.6733, 9.5053,
61.1728

■ 88.5088, 97.3835,
74.4542

■ 16.6922, 7.6657,
60.9221

■ 15.2181, 6.5157,
60.7778

Harmonies

Analogous

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



41.2368, 42.4312, 71.6308



45.0945, 42.4312, 66.1349



47.7954, 42.4312, 55.4293

Triad

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



45.0945, 42.4312, 66.1349



43.4350, 42.4312, 28.8138



33.1815, 42.4312, 48.8277

Complementary

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



45.0945, 42.4312, 66.1349



51.5151, 59.5985, 45.3497

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.



33.6848, 42.4312, 38.0573



45.0945, 42.4312, 66.1349



39.4357, 42.4312, 27.6379

Square

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



45.0945, 42.4312, 66.1349



46.7940, 42.4312, 34.2654



35.9127, 42.4312, 30.7376



34.4898, 42.4312, 60.6274

Rectangle

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



45.0945, 42.4312, 66.1349



48.4828, 42.4312, 47.4602



35.9127, 42.4312, 30.7376



33.1458, 42.4312, 44.9631

Sweetspot

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



45.0958, 42.4330, 66.1358



87.0902, 88.9371, 107.1842



46.3400, 50.6076, 67.6481



18.4624, 18.7894, 22.9036



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.



45.0958, 42.4330, 66.1358



66.3816, 60.7081, 102.8269



50.4503, 45.1933, 66.3864



11.6102, 11.6479, 14.8800



9.4880, 4.0715, 37.4783



0.6193, 0.2734, 2.0997

Inverse Universe

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



49.6290, 45.0003, 55.9411



74.8025, 65.4807, 83.7288



46.6151, 57.0724, 45.1203



12.0998, 11.9247, 13.8015



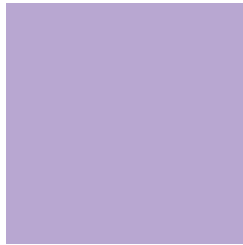
18.5215, 9.2814, 12.9181



1.0744, 0.5345, 0.9264

Previews

White Background



This preview shows how the XYZ color 45.0945, 42.4312, 66.1349 looks on a white background.

Color Contrast Check

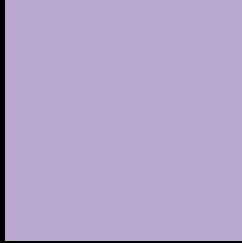
Large Text (above 18pt) WCAG AA × Fail

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 45.0945, 42.4312, 66.1349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

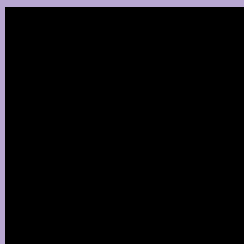
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0945, 42.4312, 66.1349

Background



This preview shows how black text looks on a background with the XYZ color 45.0945, 42.4312, 66.1349.



This preview shows how white text looks on a background with the XYZ color 45.0945, 42.4312,

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

45.0945, 42.4312, 66.1349

Protanopia

42.4709, 42.6906, 68.9524

Deuteranopia

43.2155, 42.3022, 65.5619



Tritanopia

42.1423, 42.3319, 51.8487

Trichromacy



Original Color

45.0945, 42.4312, 66.1349

Protanomaly

43.4598, 42.6499, 68.2290

Deuteranomaly

43.9332, 42.3950, 65.5420

Tritanomaly

43.1684, 42.4682, 56.9609

Monochromacy



Original Color

45.0945, 42.4312, 66.1349

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.9513, 43.2646, 54.2312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0945, 42.4312, 66.1349 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, 167, 209)` looks like.

```
.text, #text, p{  
    color:rgb(184, 167, 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(184, 167, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 167, 209) }
```

Border

The CSS property to change the border of an element to XYZ 45.0945, 42.4312, 66.1349 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, 167, 209) }
```


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

```
.border{ border-color:rgb(184, 167, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 167, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 167, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 167, 209);  
box-shadow:4px 4px 4px 4px rgb(184, 167,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0945, 42.4312, 66.1349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 167, 209) }
```

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

```
.background{ background-color: rgb(184,  
167, 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](#).

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