

Converting Colors

XYZ(49.6537, 45.0734, 78.0345)

Have a look what the booklet for
XYZ(49.6537, 45.0734, 78.0345)
contains.

XYZ(49.6537, 45.0734, 78.0345)	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(49.6537, 45.0734,
78.0345)**

Conversions

Conversions Part 1

Format	Color
Hex	C0A9E2
RGB	192, 169, 226
RGB Percent	75%, 66%, 89%
CMY	0.2470, 0.3372, 0.1137
CMYK	0.15, 0.25, 0.00, 0.11
HSL	264°, 50%, 77%
HSV	264°, 25%, 89%
XYZ	49.6537, 45.0734, 78.0345
YIQ	182.3750, -4.5890, 22.6030

Conversions

Conversions Part 2

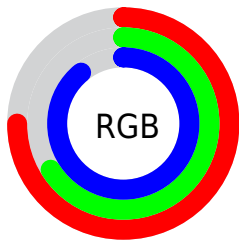
Format	Color
R_{YB}	192, 169, 226
Decimal	12626402
CIE _{Lab}	72.94, 19.33, -25.64
CIE _{LCh}	73, 32.107, 307.018
Yxy	45.0734, 0.2874, 0.2609
Android (android.graphics.Color)	4290816482 (0xFFC0A9E2)
YUV	182.3750, 21.5071, 8.4411
Hunter-Lab	67.1367, 14.5277, -21.9184

Details

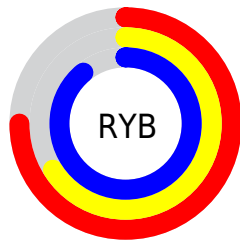
The XYZ color **49.6537, 45.0734, 78.0345** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.9878, 69.9549, 47.9318**, and the grayscale version is **44.5572, 46.8776, 51.0498**.

A 20% lighter version of the original color is **83.7726, 80.6710, 105.7635**, and **24.1932, 21.0661, 41.3191** is the 20% darker color. If you saturate the color by 10%, you get **42.5488, 35.7004, 76.6005**, and if you desaturate by 10%, it is **57.8008, 56.0647, 79.7274**.

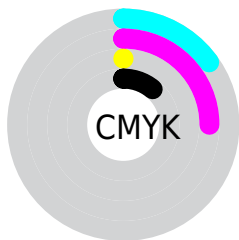
Distribution



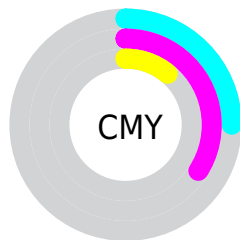
- Red (75%)
- Green (66%)
- Blue (89%)



- Red (75%)
- Yellow (66%)
- Blue (89%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)





- Cyan (25%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6537, 45.0734, 78.0345 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 49.6537, 45.0734, 78.0345 by changing the saturation by 10% instead.


 49.6537, 45.0734,
78.0345


 49.6537, 45.0734,
78.0345


375.7846,
367.0707, 507.8150

 35.3550, 31.5152,
57.5857

 88.8565, 82.8305,
132.3851

 24.1042, 20.9915,
41.0632


 114.4912,
107.7983, 167.1239

 15.5361, 13.1178,
28.0484


144.6354,
137.3381, 207.4632

 9.2853, 7.5097,
18.1228

179.6543,
171.8343, 253.8215

 4.9863, 3.7829,
10.8678

219.9133,
211.6712, 306.6172

 2.2739, 1.5529,
5.8650

265.7778,

 0.7813, 0.3255,

257.2334, 366.2690

2.6957

317.6131,
308.9051, 433.1955

■ 0.0000, 0.0000,
0.9413

■ 0.0000, 0.0000,
0.0000

■ 49.6537, 45.0734,
78.0345

■ 49.6537, 45.0734,
78.0345

■ 42.5488, 35.7004,
76.6005

■ 57.8008, 56.0647,
79.7274

■ 36.4362, 27.8609,
75.4095

■ 67.0286, 68.7422,
81.6880

■ 31.2677, 21.4710,
74.4485

■ 77.3786, 83.1766,
83.9286

■ 26.9893, 16.4360,
73.7022

■ 87.4677, 96.5905,
85.9860

■ 23.5408, 12.6495,
73.1531

■ 90.7276, 98.2710,
86.1386

■ 20.8530, 9.9884,
72.7811

■ 18.8428, 8.3023,
72.5616

■ 18.0609, 7.7249,
72.4914

Harmonies

Analogous

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



44.1696, 45.0734, 86.4712



49.6537, 45.0734, 78.0345



53.5340, 45.0734, 62.1238

Triad

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



49.6537, 45.0734, 78.0345



47.1824, 45.0734, 25.8163



33.0212, 45.0734, 52.9410

Complementary

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



49.6537, 45.0734, 78.0345



58.9878, 69.9549, 47.9318

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.



33.6759, 45.0734, 37.9985



49.6537, 45.0734, 78.0345



41.5391, 45.0734, 24.3992

Square

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



49.6537, 45.0734, 78.0345



52.0227, 45.0734, 32.7588



36.6817, 45.0734, 28.3494



34.8086, 45.0734, 70.0749

Rectangle

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



49.6537, 45.0734, 78.0345



54.5142, 45.0734, 50.6983



36.6817, 45.0734, 28.3494



32.9657, 45.0734, 47.4912

Sweetspot

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



49.6551, 45.0753, 78.0355



84.5479, 85.4326, 106.6417



51.4944, 56.7340, 80.1889



17.6968, 17.7354, 22.7405



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.



49.6551, 45.0753, 78.0355



60.4687, 52.8691, 101.6255



57.5228, 49.1312, 78.4037



13.4730, 13.5119, 17.2856



10.4298, 4.4720, 41.3618



0.8222, 0.3612, 2.8716

Inverse Universe

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



56.3329, 48.8583, 62.9631



70.7326, 58.6891, 78.2152



51.9712, 66.3377, 47.6034



14.0487, 13.8371, 16.0266



20.4406, 10.2433, 14.2521



1.4608, 0.7276, 1.2194

Previews

White Background



This preview shows how the XYZ color 49.6537, 45.0734, 78.0345 looks on a white background.

Color Contrast Check

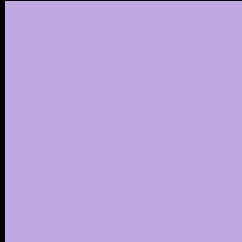
Large Text (above 18pt) WCAG AA × Fail

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 49.6537, 45.0734, 78.0345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

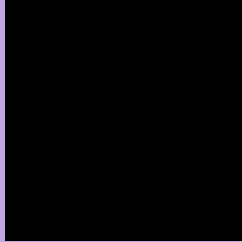
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6537, 45.0734, 78.0345

Background



This preview shows how black text looks on a background with the XYZ color 49.6537, 45.0734, 78.0345.



This preview shows how white text looks on a background with the XYZ color 49.6537, 45.0734,

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

49.6537, 45.0734, 78.0345

Protanopia

45.8047, 45.2698, 82.6677

Deuteranopia

46.3495, 45.3711, 77.5488



Tritanopia

45.0693, 45.2075, 55.0657

Trichromacy



Original Color

49.6537, 45.0734, 78.0345

Protanomaly

47.0982, 45.0992, 81.0856

Deuteranomaly

47.3566, 45.0267, 77.4292

Tritanomaly

46.4621, 44.8903, 62.7158

Monochromacy



Original Color

49.6537, 45.0734, 78.0345

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.1649, 45.9606, 59.8642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6537, 45.0734, 78.0345 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(192, 169, 226)` looks like.

```
.text, #text, p{  
    color:rgb(192, 169, 226)  
}
```

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(192, 169, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 169, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.6537, 45.0734, 78.0345 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(192, 169, 226) }
```


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

```
.border{ border-color:rgb(192, 169, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 169, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 169, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 169, 226);  
box-shadow:4px 4px 4px 4px rgb(192, 169,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6537, 45.0734, 78.0345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 169, 226) }
```

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

```
.background{ background-color: rgb(192,  
169, 226) }
```

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