

Converting Colors

CIELCh(45, 22.673, 325.849)

Have a look what the booklet for
CIELCh(45, 22.673, 325.849)
contains.

CIELCh(45, 22.804, 325.745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 22.804, 325.745)

Conversions

Conversions Part 1

Format	Color
Hex	806080
RGB	128, 96, 128
RGB Percent	50%, 38%, 50%
CMY	0.4976, 0.6231, 0.4976
CMYK	0.00, 0.25, 0.00, 0.50
HSL	300°, 14%, 44%
HSV	300°, 25%, 50%
XYZ	17.0120, 14.5417, 22.3670
YIQ	109.2160, 8.8000, 16.7360

Conversions

Conversions Part 2

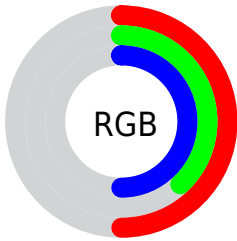
Format	Color
R_{YB}	128, 96, 128
Decimal	8413312
CIE _{Lab}	45.00, 18.85, -12.84
CIE _{LCh}	45, 22.804, 325.745
Yxy	14.5417, 0.3155, 0.2697
Android (android.graphics.Color)	4286603392 (0xFF806080)
YUV	109.2160, 9.2605, 16.4736
Hunter-Lab	38.1336, 12.8981, -8.0826

Details

The CIELCh color $45, 22.804, 325.745$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $50, 22.793, 142.851$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 22.733, 325.448$, and $25, 22.973, 325.326$ is the 20% darker color. If you saturate the color by 10%, you get $42, 31.808, 326.253$, and if you desaturate by 10%, it is $48, 13.653, 325.218$.

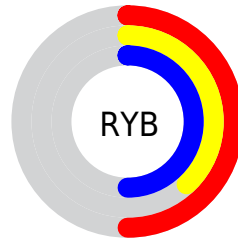
Distribution



Red (50%)

Green (38%)

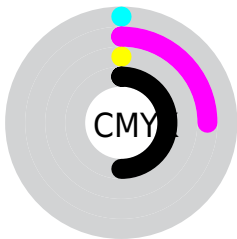
Blue (50%)



Red (50%)

Yellow (38%)

Blue (50%)

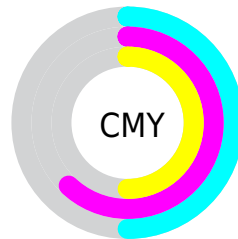


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (50%)



Cyan (50%)


Magenta (62%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 22.804, 325.745 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 CIELCh color 45, 22.804, 325.745 by changing the saturation by 10% instead.


 45, 22.804,
325.745


 45, 22.804,
325.745


 100, 22.804,
325.745


 35, 22.804,
325.745

 65, 22.804,
325.745


 25, 22.804,
325.745

 75, 22.804,
325.745

 15, 22.804,
325.745

 85, 22.804,
325.745

 5, 22.804, 325.745

 95, 22.804,
325.745

 0, 22.804, 325.745

 45, 22.804,

 45, 22.804,

325.745

42, 31.808,
326.253

39, 40.453,
326.731

36, 48.461,
327.162

34, 55.514,
327.533

32, 61.290,
327.830

31, 65.535,
328.044

30, 68.210,
328.177

30, 69.363,
328.234

325.745

48, 13.653,
325.218

52, 4.517, 324.664

55, 4.496, 144.225

59, 13.317,
143.689

63, 21.906,
143.194

67, 30.241,
142.723

70, 38.318,
142.278

74, 46.137,
141.859

■ 78, 53.707,
141.467

Harmonies

Complementary

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



45, 22.804, 325.745



50, 22.793, 142.851

Rectangle

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



45, 22.804, 325.745



45, 22.804, 15.745



45, 22.804, 145.745



45, 22.804, 195.745

Sweetspot

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



45, 22.802, 325.745



65, 7.844, 324.791



42, 19.378, 292.983



34, 5.138, 324.816



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 22.802, 325.745



55, 33.756, 326.038



44, 16.233, 345.799



25, 5.102, 324.899



30, 69.127, 328.234



0, 0.000, 0.000

Inverse Universe

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



45, 22.802, 325.745



55, 33.756, 326.038



51, 15.755, 161.504



25, 5.102, 324.899



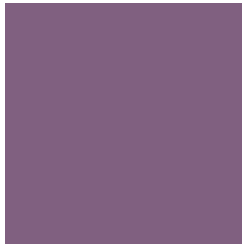
30, 69.127, 328.234



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 22.804, 325.745 looks on a white background.

Color Contrast Check

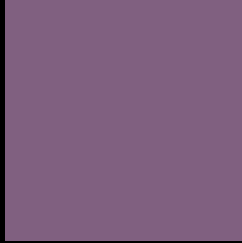
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 45, 22.804, 325.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

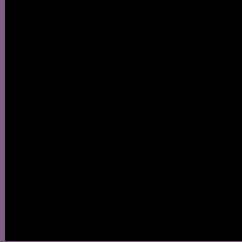
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 22.804, 325.745

Background



This preview shows how black text looks on a background with the CIELCh color 45, 22.804, 325.745.



This preview shows how white text looks on a background with the CIELCh color 45, 22.804, 325.745.

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, 22.804, 325.745

Protanopia

45, 17.406, 284.238

Deuteranopia

45, 13.819, 296.800



Tritanopia
45, 11.463, 356.500

Trichromacy



Original Color
45, 22.804, 325.745

Protanomaly
45, 18.254, 302.048

Deuteranomaly
45, 16.530, 311.281

Tritanomaly
45, 14.560, 340.601

Monochromacy



Original Color
45, 22.804, 325.745

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 8.671, 324.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 22.804, 325.745 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(128, 96, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 96, 128)  
}
```

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(128, 96, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 96, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 22.804, 325.745 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(128, 96, 128) }
```

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

```
.border{ border-color:rgb(128, 96, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 96, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 96, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 96, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 96,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 22.804, 325.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 96, 128) }
```

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

```
.background{ background-color: rgb(128, 96,  
128) }
```

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