

Converting Colors

CIELCh(45, 21.802, 325.732)

Have a look what the booklet for
CIELCh(45, 21.802, 325.732)
contains.

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Color

CIELCh(45, 21.411, 325.672)

Conversions

Conversions Part 1

Format	Color
Hex	7F617F
RGB	127, 97, 127
RGB Percent	50%, 38%, 50%
CMY	0.5027, 0.6203, 0.5027
CMYK	0.00, 0.24, 0.00, 0.50
HSL	300°, 13%, 44%
HSV	300°, 24%, 50%
XYZ	16.8016, 14.5417, 21.9367
YIQ	109.3900, 8.2500, 15.6900

Conversions

Conversions Part 2

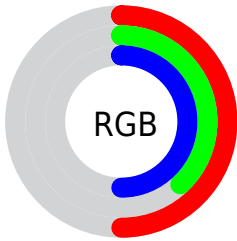
Format	Color
R _{YB}	127, 97, 127
Decimal	8348031
CIE Lab	45.00, 17.68, -12.07
CIE LCh	45, 21.411, 325.672
Yxy	14.5417, 0.3153, 0.2729
Android (android.graphics.Color)	4286538111 (0xFF7F617F)
YUV	109.3900, 8.6817, 15.4440
Hunter-Lab	38.1336, 11.9130, -7.4137

Details

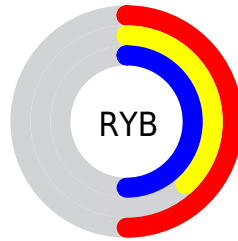
The CIELCh color $45, 21.411, 325.672$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $50, 21.398, 142.953$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 21.412, 325.393$, and $25, 21.501, 325.161$ is the 20% darker color. If you saturate the color by 10%, you get $42, 30.372, 326.183$, and if you desaturate by 10%, it is $48, 12.329, 325.143$.

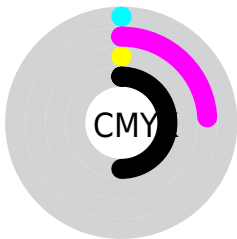
Distribution



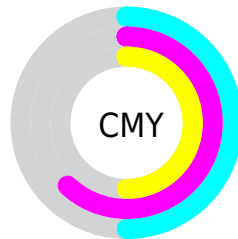
- Red (50%)
- Green (38%)
- Blue (50%)



- Red (50%)
- Yellow (38%)
- Blue (50%)



- Cyan (0%)
- Magenta (24%)
- Yellow (0%)
- Black (50%)





- Cyan (50%)
- Magenta (62%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.411, 325.672 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, 21.411, 325.672 by changing the saturation by 10% instead.


 45, 21.411,
325.672


 45, 21.411,
325.672


 100, 21.411,
325.672


 35, 21.411,
325.672


 65, 21.411,
325.672


 25, 21.411,
325.672


 75, 21.411,
325.672

 15, 21.411,
325.672

 85, 21.411,
325.672

 5, 21.411, 325.672

 95, 21.411,
325.672

 0, 21.411, 325.672

 45, 21.411,

 45, 21.411,

325.672

42, 30.372,
326.183

39, 39.010,
326.665

36, 47.058,
327.103

34, 54.204,
327.483

32, 60.127,
327.790

31, 64.563,
328.016

30, 67.401,
328.158

29, 68.862,
328.231

325.672

48, 12.329,
325.143

52, 3.279, 324.576

55, 5.637, 144.146

59, 14.357,
143.620

63, 22.843,
143.129

66, 31.077,
142.662

70, 39.054,
142.221

74, 46.776,
141.806

■ 78, 54.253,
141.417

Harmonies

Complementary

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



45, 21.411, 325.672



50, 21.398, 142.953

Rectangle

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



45, 21.411, 325.672



45, 21.411, 15.672



45, 21.411, 145.672



45, 21.411, 195.672

Sweetspot

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



45, 21.409, 325.672



65, 7.844, 324.788



42, 17.825, 292.161



34, 5.138, 324.814



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, 21.409, 325.672



56, 31.529, 325.932



45, 15.387, 344.742



25, 5.102, 324.896



30, 69.130, 328.231



0, 0.000, 0.000

Inverse Universe

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



44, 13.022, 21.093



55, 19.548, 21.613



50, 14.991, 160.774



25, 2.951, 19.872



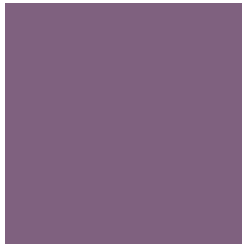
25, 61.100, 38.345



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 21.411, 325.672 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, 21.411, 325.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

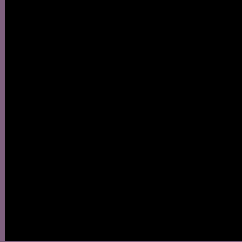
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.411, 325.672

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.411, 325.672.



This preview shows how white text looks on a background with the CIELCh color 45, 21.411, 325.672.

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, 21.411, 325.672

Protanopia

45, 16.192, 284.650

Deuteranopia

45, 12.675, 298.855



Tritanopia
45, 11.080, 355.519

Trichromacy



Original Color
45, 21.411, 325.672

Protanomaly
45, 16.991, 301.356

Deuteranomaly
45, 15.973, 311.972

Tritanomaly
45, 14.255, 339.449

Monochromacy



Original Color
45, 21.411, 325.672

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.230, 324.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.411, 325.672 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(127, 97, 127)` looks like.

```
.text, #text, p{  
    color:rgb(127, 97, 127)  
}
```

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(127, 97, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 97, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.411, 325.672 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(127, 97, 127) }
```

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

```
.border{ border-color:rgb(127, 97, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 97, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 97, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 97, 127);  
box-shadow:4px 4px 4px 4px rgb(127, 97,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.411, 325.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 97, 127) }
```

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

```
.background{ background-color: rgb(127, 97,  
127) }
```

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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