

Converting Colors

CIELCh(45, 22.065, 324.305)

Have a look what the booklet for
CIELCh(45, 22.065, 324.305)
contains.

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Color

CIELCh(45, 21.892, 324.793)

Conversions

Conversions Part 1

Format	Color
Hex	7F6180
RGB	127, 97, 128
RGB Percent	50%, 38%, 50%
CMY	0.5031, 0.6206, 0.4991
CMYK	0.01, 0.24, 0.00, 0.50
HSL	298°, 14%, 44%
HSV	298°, 24%, 50%
XYZ	16.8386, 14.5417, 22.2453
YIQ	109.5040, 7.9290, 16.0010

Conversions

Conversions Part 2

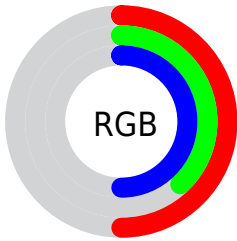
Format	Color
R_{YB}	127, 97, 128
Decimal	8348032
CIE Lab	45.00, 17.89, -12.62
CIE LCh	45, 21.892, 324.793
Yxy	14.5417, 0.3140, 0.2712
Android (android.graphics.Color)	4286538112 (0xFF7F6180)
YUV	109.5040, 9.1185, 15.3440
Hunter-Lab	38.1336, 12.0861, -7.8934

Details

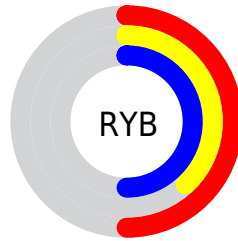
The CIELCh color $45, 21.892, 324.793$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $50, 21.850, 142.114$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 21.865, 324.573$, and $25, 22.029, 324.226$ is the 20% darker color. If you saturate the color by 10%, you get $42, 30.838, 325.283$, and if you desaturate by 10%, it is $48, 12.834, 324.285$.

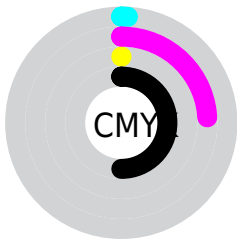
Distribution



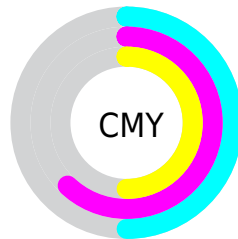
- Red (50%)
- Green (38%)
- Blue (50%)



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



- Cyan (1%)
- Magenta (24%)
- Yellow (0%)
- Black (50%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.892, 324.793 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, 21.892, 324.793 by changing the saturation by 10% instead.


 45, 21.892,
324.793


 45, 21.892,
324.793


 100, 21.892,
324.793


 35, 21.892,
324.793

 65, 21.892,
324.793


 25, 21.892,
324.793

 75, 21.892,
324.793

 15, 21.892,
324.793

 85, 21.892,
324.793

 5, 21.892, 324.793

 95, 21.892,
324.793

 0, 21.892, 324.793

 45, 21.892,

 45, 21.892,

324.793

42, 30.838,
325.283

39, 39.475,
325.741

36, 47.535,
326.151

34, 54.705,
326.495

32, 60.654,
326.755

30, 65.104,
326.918

29, 67.950,
326.979

29, 69.319,
326.999

324.793

48, 12.834,
324.285

52, 3.813, 323.746

56, 5.073, 143.331


59, 13.764,
142.823

63, 22.225,
142.353

67, 30.438,
141.908

70, 38.400,
141.489

74, 46.113,
141.095

 78, 53.585,
140.728

Harmonies

Complementary

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



45, 21.892, 324.793



50, 21.850, 142.114

Rectangle

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



45, 21.892, 324.793



45, 21.892, 14.793



45, 21.892, 144.793



45, 21.892, 194.793

Sweetspot

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



45, 21.890, 324.793



65, 7.765, 323.912



42, 18.089, 291.585



34, 5.086, 323.936



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, 21.890, 324.793



56, 32.362, 325.061



45, 16.054, 343.899



25, 5.051, 324.016



29, 69.232, 326.999



0, 0.000, 0.000

Inverse Universe

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



44, 13.427, 18.645



54, 20.233, 19.255



51, 15.664, 159.870



25, 2.951, 17.252



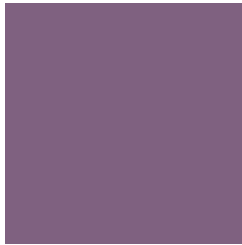
25, 60.149, 37.067



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 21.892, 324.793 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, 21.892, 324.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

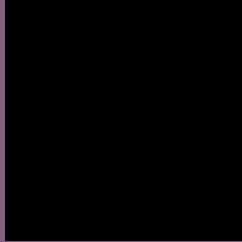
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.892, 324.793

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.892, 324.793.



This preview shows how white text looks on a background with the CIELCh color 45, 21.892, 324.793.

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, 21.892, 324.793

Protanopia

45, 16.780, 285.033

Deuteranopia

45, 13.225, 296.953



Tritanopia
45, 11.080, 355.519

Trichromacy



Original Color
45, 21.892, 324.793

Protanomaly
45, 17.578, 301.100

Deuteranomaly
45, 16.411, 309.984

Tritanomaly
45, 14.255, 339.449

Monochromacy



Original Color
45, 21.892, 324.793

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.726, 322.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.892, 324.793 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(127, 97, 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(127, 97, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 97, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.892, 324.793 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, 128) }
```

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

```
.border{ border-color:rgb(127, 97, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 97, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 97, 128);  
box-shadow:4px 4px 4px 4px rgb(127, 97,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.892, 324.793 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, 128) }
```

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

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

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