

Converting Colors

CIELCh(45, 12.546, 192.664)

Have a look what the booklet for
CIELCh(45, 12.546, 192.664)
contains.

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Color

CIELCh(45, 12.553, 192.504)

Conversions

Conversions Part 1

Format	Color
Hex	50716F
RGB	80, 113, 111
RGB Percent	31%, 44%, 44%
CMY	0.6879, 0.5585, 0.5664
CMYK	0.29, 0.00, 0.02, 0.56
HSL	176°, 17%, 38%
HSV	176°, 29%, 44%
XYZ	11.9775, 14.5417, 17.0929
YIQ	102.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

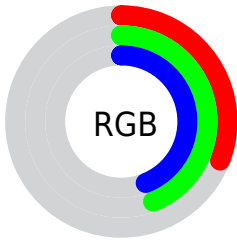
Format	Color
R_{YB}	80, 97, 113
Decimal	5271919
CIE _{Lab}	45.00, -12.26, -2.72
CIE _{LCh}	45, 12.553, 192.504
Yxy	14.5417, 0.2746, 0.3334
Android (android.graphics.Color)	4283461999 (0xFF50716F)
YUV	102.9050, 3.9908, -20.0877
Hunter-Lab	38.1336, -10.6683, 0.1175

Details

The CIELCh color **45, 12.553, 192.504** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 14.827, 16.983**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 12.685, 193.280**, and **25, 12.613, 191.280** is the 20% darker color. If you saturate the color by 10%, you get **44, 16.262, 191.858**, and if you desaturate by 10%, it is **46, 8.509, 193.156**.

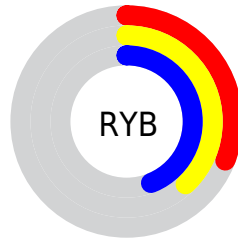
Distribution



Red (31%)

Green (44%)

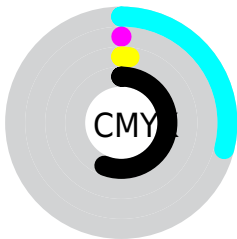
Blue (44%)



Red (31%)

Yellow (38%)

Blue (44%)

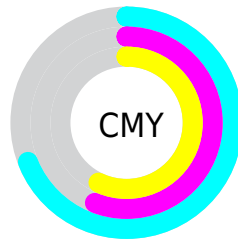


Cyan (29%)

Magenta (0%)

Yellow (2%)

Black (56%)



Cyan (69%)


Magenta (56%)

Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.553, 192.504 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, 12.553, 192.504 by changing the saturation by 10% instead.


 45, 12.553,
192.504


 45, 12.553,
192.504


 100, 12.553,
192.504


 35, 12.553,
192.504

 65, 12.553,
192.504


 25, 12.553,
192.504

 75, 12.553,
192.504

 15, 12.553,
192.504


 85, 12.553,
192.504

 5, 12.553, 192.504

 95, 12.553,
192.504

 0, 12.553, 192.504

 45, 12.553,

 45, 12.553,

192.504

192.504

■ 44, 16.262,
191.858

■ 46, 8.509, 193.156

■ 44, 19.566,
191.225

■ 47, 4.195, 193.850

■ 43, 22.407,
190.593

■ 48, 0.322, 13.313

■ 43, 24.739,
189.957

■ 50, 9.745, 15.712

■ 43, 26.536,
189.304

■ 51, 14.559, 16.388

■ 43, 27.804,
188.625

■ 53, 24.224, 17.712

■ 42, 28.744,
187.934

■ 55, 29.030, 18.360

■ 42, 28.810,
187.888

Harmonies

Complementary

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



45, 12.553, 192.504



37, 14.827, 16.983

Rectangle

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



45, 12.553, 192.504



45, 12.553, 242.504



45, 12.553, 12.504



45, 12.553, 62.504

Sweetspot

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



45, 12.553, 192.500



59, 5.006, 193.855



44, 23.525, 140.916



31, 3.497, 193.770



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 12.553, 192.500



57, 18.082, 192.076



41, 10.930, 251.867



23, 2.531, 193.873



45, 30.138, 187.833



88, 51.642, 187.371

Inverse Universe

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



37, 14.827, 16.983



46, 22.276, 17.845



41, 12.183, 64.795



22, 2.655, 14.945



24, 56.385, 35.366



52, 99.815, 38.248

Previews

White Background



This preview shows how the CIE LCh color 45, 12.553, 192.504 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, 12.553, 192.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

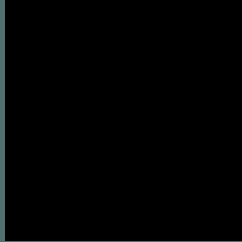
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

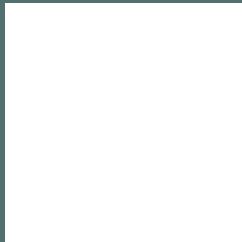
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 12.553, 192.504

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.553, 192.504.



This preview shows how white text looks on a background with the CIELCh color 45, 12.553, 192.504.

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, 12.553, 192.504

Protanopia

45, 0.824, 19.084

Deuteranopia

45, 7.254, 324.878



Tritanopia
45, 11.709, 225.850

Trichromacy



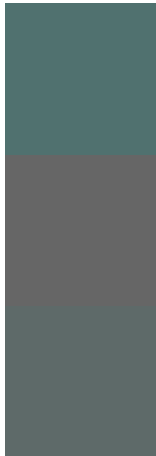
Original Color
45, 12.553, 192.504

Protanomaly
45, 4.004, 199.016

Deuteranomaly
45, 4.064, 261.466

Tritanomaly
45, 11.731, 213.025

Monochromacy



Original Color
45, 12.553, 192.504

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 4.865, 191.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.553, 192.504 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(80, 113, 111)` looks like.

```
.text, #text, p{  
    color:rgb(80, 113, 111)  
}
```

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(80, 113, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 113, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.553, 192.504 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(80, 113, 111) }
```

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

```
.border{ border-color:rgb(80, 113, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 113, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 113, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 113, 111);  
box-shadow:4px 4px 4px 4px rgb(80, 113,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.553, 192.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 113, 111) }
```

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

```
.background{ background-color: rgb(80, 113,  
111) }
```

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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