

Converting Colors

CIELCh(45, 12.402, 199.336)

Have a look what the booklet for
CIELCh(45, 12.402, 199.336)
contains.

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Color

CIELCh(45, 12.312, 200.837)

Conversions

Conversions Part 1

Format	Color
Hex	4F7071
RGB	79, 112, 113
RGB Percent	31%, 44%, 44%
CMY	0.6889, 0.5594, 0.5555
CMYK	0.30, 0.01, 0.00, 0.56
HSL	182°, 18%, 38%
HSV	182°, 30%, 44%
XYZ	12.0851, 14.5417, 17.8949
YIQ	102.2470, -19.9890, -6.6850

Conversions

Conversions Part 2

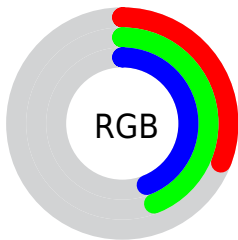
Format	Color
R_{YB}	79, 96, 113
Decimal	5206129
CIE Lab	45.00, -11.51, -4.38
CIE LCh	45, 12.312, 200.837
Yxy	14.5417, 0.2714, 0.3266
Android (android.graphics.Color)	4283396209 (0xFF4F7071)
YUV	102.2470, 5.3012, -20.3876
Hunter-Lab	38.1336, -10.1645, -1.1295

Details

The CIELCh color $45, 12.312, 200.837$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 14.987, 23.925$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.506, 200.923$, and $25, 12.223, 200.540$ is the 20% darker color. If you saturate the color by 10%, you get $44, 15.775, 200.571$, and if you desaturate by 10%, it is $46, 8.486, 201.168$.

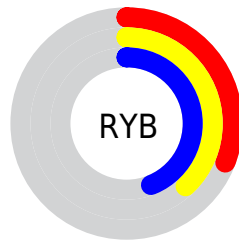
Distribution



Red (31%)

Green (44%)

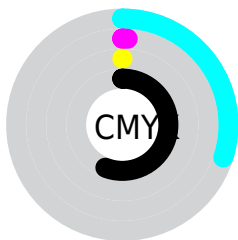
Blue (44%)



Red (31%)

Yellow (38%)

Blue (44%)

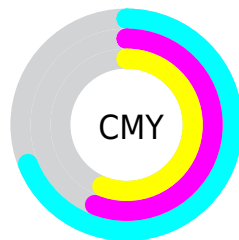


Cyan (30%)

Magenta (1%)

Yellow (0%)

Black (56%)



Cyan (69%)


Magenta (56%)

Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.312, 200.837 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, 12.312, 200.837 by changing the saturation by 10% instead.


 45, 12.312,
200.837


 45, 12.312,
200.837


 100, 12.312,
200.837


 35, 12.312,
200.837

 65, 12.312,
200.837


 25, 12.312,
200.837

 75, 12.312,
200.837

 15, 12.312,
200.837


 85, 12.312,
200.837

 5, 12.312, 200.837

 95, 12.312,
200.837

 0, 12.312, 200.837

 45, 12.312,

 45, 12.312,

200.837

■ 44, 15.775,
200.571

■ 44, 18.810,
200.389

■ 43, 21.363,
200.295

■ 43, 23.393,
200.297

■ 42, 24.883,
200.404

■ 42, 25.842,
200.619

■ 42, 26.501,
200.894

200.837

■ 46, 8.486, 201.168

■ 47, 4.362, 201.585

■ 48, 0.007, 279.414

■ 49, 4.537, 22.302

■ 50, 9.204, 22.830

■ 51, 13.958, 23.349

■ 53, 18.762, 23.875

■ 54, 23.591, 24.406

■ 55, 28.421, 24.938

Harmonies

Complementary

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



45, 12.312, 200.837



38, 14.987, 23.925

Rectangle

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



45, 12.312, 200.837



45, 12.312, 250.837



45, 12.312, 20.837



45, 12.312, 70.837

Sweetspot

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



45, 12.312, 200.833



60, 4.889, 201.623



44, 24.469, 142.915



31, 3.366, 201.567



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, 12.312, 200.833



57, 17.884, 200.643



40, 12.123, 261.648



23, 2.437, 201.636



44, 27.572, 200.922



87, 46.989, 201.193

Inverse Universe

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



38, 24.263, 326.801



48, 36.065, 327.155



42, 13.002, 73.606



22, 4.493, 325.681



27, 64.677, 329.387



58, 110.319, 329.455

Previews

White Background



This preview shows how the CIELCh color 45, 12.312, 200.837 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, 12.312, 200.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

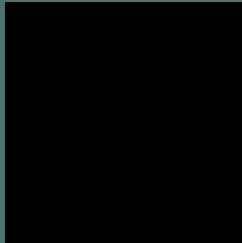
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.312, 200.837

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.312, 200.837.



This preview shows how white text looks on a background with the CIELCh color 45, 12.312, 200.837.

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, 12.312, 200.837

Protanopia
45, 1.846, 303.167

Deuteranopia
45, 8.072, 317.701



Tritanopia
45, 12.002, 225.098

Trichromacy



Original Color
45, 12.312, 200.837

Protanomaly
45, 4.661, 221.665

Deuteranomaly
45, 5.285, 264.362

Tritanomaly
45, 11.961, 218.836

Monochromacy



Original Color
45, 12.312, 200.837

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.803, 206.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.312, 200.837 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(79, 112, 113)` looks like.

```
.text, #text, p{  
    color:rgb(79, 112, 113)  
}
```

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(79, 112, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 112, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.312, 200.837 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(79, 112, 113) }
```

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

```
.border{ border-color:rgb(79, 112, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 112, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 112, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 112, 113);  
box-shadow:4px 4px 4px 4px rgb(79, 112,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.312, 200.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 112, 113) }
```

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

```
.background{ background-color: rgb(79, 112,  
113) }
```

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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