

Converting Colors

CIELCh(45, 6.052, 285.023)

Have a look what the booklet for
CIELCh(45, 6.052, 285.023) contains.

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Color

CIELCh(45, 6.008, 283.498)

Conversions

Conversions Part 1

Format	Color
Hex	686A74
RGB	104, 106, 116
RGB Percent	41%, 42%, 45%
CMY	0.5918, 0.5839, 0.5447
CMYK	0.10, 0.09, 0.00, 0.54
HSL	230°, 5%, 43%
HSV	230°, 10%, 46%
XYZ	14.0438, 14.5417, 18.6212
YIQ	106.5420, -4.4020, 2.6860

Conversions

Conversions Part 2

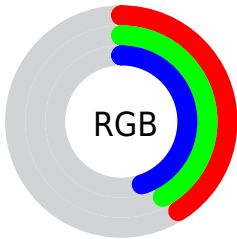
Format	Color
R_{YB}	104, 106, 116
Decimal	6842996
CIE _{Lab}	45.00, 1.40, -5.84
CIE _{LCh}	45, 6.008, 283.498
Yxy	14.5417, 0.2975, 0.3080
Android (android.graphics.Color)	4285033076 (0xFF686A74)
YUV	106.5420, 4.6628, -2.2293
Hunter-Lab	38.1336, -0.9960, -2.2587

Details

The CIELCh color $45, 6.008, 283.498$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 5.923, 101.229$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 6.152, 283.924$, and $25, 5.977, 283.235$ is the 20% darker color. If you saturate the color by 10%, you get $41, 11.993, 284.775$, and if you desaturate by 10%, it is $49, 0.199, 282.831$.

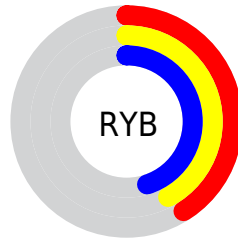
Distribution



Red (41%)

Green (42%)

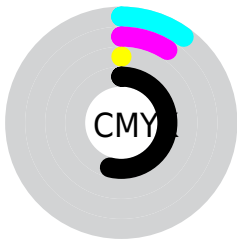
Blue (45%)



Red (41%)

Yellow (42%)

Blue (45%)

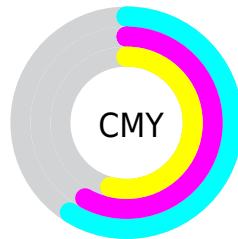


Cyan (10%)

Magenta (9%)

Yellow (0%)

Black (54%)



Cyan (59%)

Magenta (58%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.008, 283.498 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, 6.008, 283.498 by changing the saturation by 10% instead.

■ 45, 6.008, 283.498

■ 45, 6.008, 283.498

■ 100, 6.008,
283.498

■ 35, 6.008, 283.498

■ 65, 6.008, 283.498

■ 25, 6.008, 283.498

■ 75, 6.008, 283.498

■ 15, 6.008, 283.498

■ 85, 6.008, 283.498

■ 5, 6.008, 283.498

■ 95, 6.008, 283.498

■ 0, 6.008, 283.498

■ 45, 6.008, 283.498

■ 45, 6.008, 283.498

■ 41, 11.993,
284.775

■ 49, 0.199, 282.831

■ 37, 18.171,

■ 52, 5.443, 101.380

286.273

56, 10.929,
100.550

34, 24.557,
288.013

60, 16.267, 99.820

30, 31.170,
290.020

64, 21.463, 99.177

26, 38.017,
292.303

67, 26.525, 98.608

23, 45.075,
294.836

71, 31.458, 98.103

19, 52.240,
297.532

78, 40.963, 97.246

17, 59.240,
300.225

14, 65.451,
302.434

Harmonies

Complementary

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



45, 6.008, 283.498



48, 5.923, 101.229

Rectangle

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



45, 6.008, 283.498



45, 6.008, 333.498



45, 6.008, 103.498



45, 6.008, 153.498

Sweetspot

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



45, 6.007, 283.491



61, 2.138, 282.703



48, 4.965, 183.737



31, 1.634, 282.770



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 6.007, 283.491



57, 8.647, 283.727



45, 7.359, 302.990



23, 3.293, 283.340



15, 68.298, 302.579



35, 120.883, 303.852

Inverse Universe

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



45, 5.145, 6.650



57, 7.425, 6.850



48, 7.220, 121.887



23, 2.815, 6.520



24, 54.134, 29.774



52, 94.530, 32.871

Previews

White Background



This preview shows how the CIELCh color 45, 6.008, 283.498 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 CIE LCh color 45, 6.008, 283.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

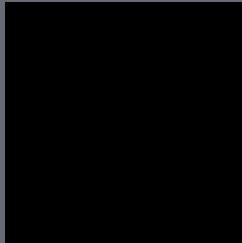
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

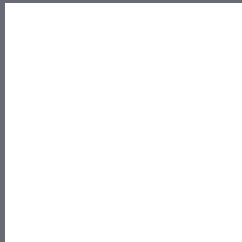
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 6.008, 283.498

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.008, 283.498.



This preview shows how white text looks on a background with the CIELCh color 45, 6.008, 283.498.

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, 6.008, 283.498

Protanopia

45, 5.970, 291.020

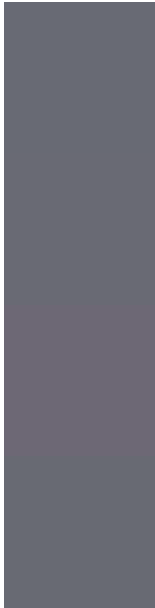
Deuteranopia

45, 9.150, 314.360



Tritanopia
45, 5.418, 282.559

Trichromacy



Original Color

45, 6.008, 283.498

Protanomaly

45, 5.977, 287.239

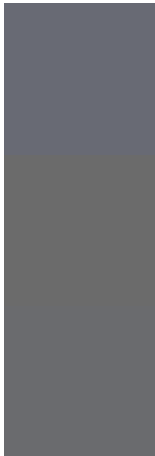
Deuteranomaly

45, 8.052, 305.484

Tritanomaly

45, 5.418, 282.559

Monochromacy



Original Color

45, 6.008, 283.498

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.831, 277.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.008, 283.498 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(104, 106, 116)` looks like.

```
.text, #text, p{  
    color:rgb(104, 106, 116)  
}
```

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(104, 106, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 106, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.008, 283.498 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(104, 106, 116) }
```

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

```
.border{ border-color:rgb(104, 106, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 106, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 106, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 106, 116);  
box-shadow:4px 4px 4px 4px rgb(104, 106,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.008, 283.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 106, 116) }
```

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

```
.background{ background-color: rgb(104,  
106, 116) }
```

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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