

Converting Colors

CIELCh(45, 6.752, 128.078)

Have a look what the booklet for
CIELCh(45, 6.752, 128.078) contains.

CIELCh(45, 6.318, 128.696)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 6.318, 128.696)

Conversions

Conversions Part 1

Format	Color
Hex	676C62
RGB	103, 108, 98
RGB Percent	40%, 42%, 38%
CMY	0.5954, 0.5758, 0.6150
CMYK	0.05, 0.00, 0.09, 0.58
HSL	90°, 5%, 40%
HSV	90°, 9%, 42%
XYZ	13.2079, 14.5417, 13.7092
YIQ	105.3650, 0.2300, -4.1700

Conversions

Conversions Part 2

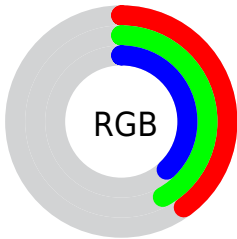
Format	Color
R_{YB}	98, 108, 103
Decimal	6777954
CIE _{Lab}	45.00, -3.95, 4.93
CIE _{LCh}	45, 6.318, 128.696
Yxy	14.5417, 0.3186, 0.3508
Android (android.graphics.Color)	4284968034 (0xFF676C62)
YUV	105.3650, -3.6309, -2.0741
Hunter-Lab	38.1336, -4.9089, 5.3785

Details

The CIELCh color **45, 6.318, 128.696** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 6.401, 309.450**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 5.886, 128.817**, and **25, 6.358, 130.441** is the 20% darker color. If you saturate the color by 10%, you get **44, 13.168, 128.254**, and if you desaturate by 10%, it is **46, 0.519, 308.957**.

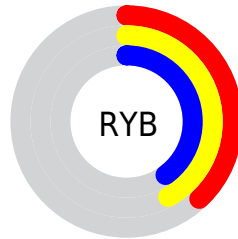
Distribution



Red (40%)

Green (42%)

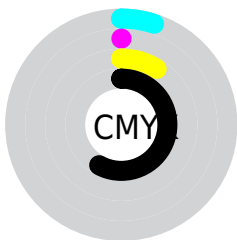
Blue (38%)



Red (38%)

Yellow (42%)

Blue (40%)

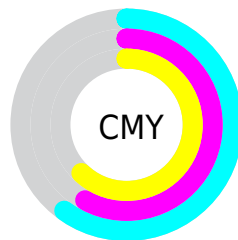


Cyan (5%)

Magenta (0%)

Yellow (9%)

Black (58%)



Cyan (60%)

Magenta (58%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.318, 128.696 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, 6.318, 128.696 by changing the saturation by 10% instead.

■ 45, 6.318, 128.696

■ 45, 6.318, 128.696

■ 100, 6.318,
128.696

■ 35, 6.318, 128.696

■ 65, 6.318, 128.696

■ 25, 6.318, 128.696

■ 75, 6.318, 128.696

■ 15, 6.318, 128.696

■ 85, 6.318, 128.696

■ 5, 6.318, 128.696

■ 95, 6.318, 128.696

■ 0, 6.318, 128.696

■ 45, 6.318, 128.696

■ 45, 6.318, 128.696

■ 44, 13.168,
128.254

■ 46, 0.519, 308.957

■ 44, 19.982,

■ 47, 7.313, 309.475

127.795

47, 14.039,
309.831

43, 26.696,
127.337

48, 20.679,
310.151

42, 33.219,
126.908

49, 27.221,
310.439

42, 39.421,
126.553

50, 33.658,
310.697

42, 45.121,
126.337

51, 39.983,
310.928

41, 50.084,
126.354

52, 46.195,
311.134

41, 54.043,
126.713

53, 52.291,
311.317

41, 57.326,
127.214

Harmonies

Complementary

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



45, 6.318, 128.696



42, 6.401, 309.450

Rectangle

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



45, 6.318, 128.696



45, 6.318, 178.696



45, 6.318, 308.696



45, 6.318, 358.696

Sweetspot

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



45, 6.319, 128.700



58, 2.528, 128.983



44, 3.649, 74.296



30, 1.933, 128.948



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 6.319, 128.700



57, 9.305, 128.610



45, 7.303, 143.954



22, 3.807, 128.713



44, 61.079, 127.388



87, 106.072, 128.336

Inverse Universe

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



42, 6.401, 309.450



53, 9.446, 309.542



43, 7.315, 324.897



20, 3.856, 309.436



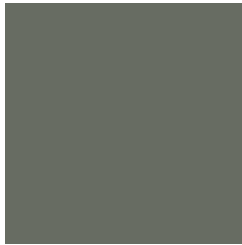
17, 70.011, 312.353



39, 121.211, 311.701

Previews

White Background



This preview shows how the CIELCh color 45, 6.318, 128.696 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, 6.318, 128.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

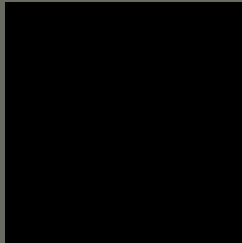
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 6.318, 128.696

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.318, 128.696.



This preview shows how white text looks on a background with the CIELCh color 45, 6.318, 128.696.

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, 6.318, 128.696

Protanopia

45, 5.606, 91.725

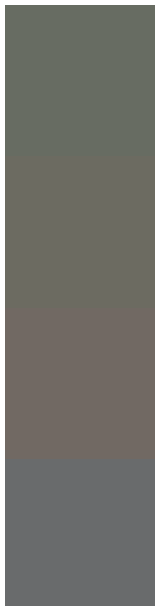
Deuteranopia

45, 7.262, 39.175



Tritanopia
45, 4.777, 290.856

Trichromacy



Original Color

45, 6.318, 128.696

Protanomaly

45, 5.949, 105.239

Deuteranomaly

45, 4.921, 65.975

Tritanomaly

45, 1.003, 236.220

Monochromacy



Original Color

45, 6.318, 128.696

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 2.525, 128.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.318, 128.696 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(103, 108, 98)` looks like.

```
.text, #text, p{  
    color:rgb(103, 108, 98)  
}
```

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(103, 108, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 108, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.318, 128.696 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(103, 108, 98) }
```

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

```
.border{ border-color:rgb(103, 108, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 108, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 108, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 108, 98);  
box-shadow:4px 4px 4px 4px rgb(103, 108,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.318, 128.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 108, 98) }
```

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

```
.background{ background-color: rgb(103,  
108, 98) }
```

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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