

Converting Colors

CIELCh(45, 2.372, 3.511)

Have a look what the booklet for
CIELCh(45, 2.372, 3.511) contains.

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Color

CIELCh(45, 2.559, 6.147)

Conversions

Conversions Part 1

Format	Color
Hex	6F696A
RGB	111, 105, 106
RGB Percent	44%, 41%, 42%
CMY	0.5644, 0.5880, 0.5841
CMYK	0.00, 0.05, 0.05, 0.56
HSL	350°, 3%, 42%
HSV	350°, 5%, 44%
XYZ	14.2266, 14.5417, 15.7100
YIQ	106.9080, 3.2550, 1.5830

Conversions

Conversions Part 2

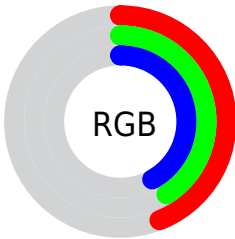
Format	Color
R_{YB}	111, 105, 106
Decimal	7301482
CIE Lab	45.00, 2.54, 0.27
CIE LCh	45, 2.559, 6.147
Yxy	14.5417, 0.3199, 0.3269
Android (android.graphics.Color)	4285491562 (0xFF6F696A)
YUV	106.9080, -0.4476, 3.5887
Hunter-Lab	38.1336, -0.1404, 2.2676

Details

The CIELCh color $45, 2.559, 6.147$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 2.500, 185.546$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 2.757, 7.901$, and $25, 2.388, 3.793$ is the 20% darker color. If you saturate the color by 10%, you get $42, 7.490, 7.194$, and if you desaturate by 10%, it is $48, 2.113, 185.656$.

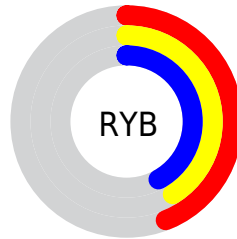
Distribution



Red (44%)

Green (41%)

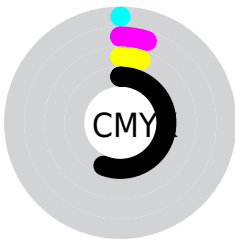
Blue (42%)



Red (44%)

Yellow (41%)

Blue (42%)

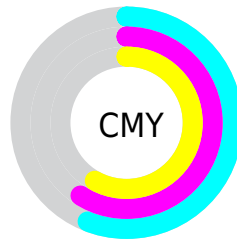


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (56%)



Cyan (56%)

Magenta (59%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 2.559, 6.147 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, 2.559, 6.147 by changing the saturation by 10% instead.

45, 2.559, 6.147

45, 2.559, 6.147

100, 2.559, 6.147

35, 2.559, 6.147

65, 2.559, 6.147

25, 2.559, 6.147

75, 2.559, 6.147

15, 2.559, 6.147

85, 2.559, 6.147

5, 2.559, 6.147

95, 2.559, 6.147

0, 2.559, 6.147

45, 2.559, 6.147

45, 2.559, 6.147

42, 7.490, 7.194

48, 2.113, 185.656

38, 12.673, 8.324

52, 6.526, 184.848

35, 18.067, 9.669

55, 10.696,

32, 23.598, 11.309	184.212
29, 29.142, 13.340	59, 14.642, 183.656
27, 34.536, 15.881	63, 18.384, 183.160
25, 39.593, 19.057	66, 21.942, 182.713
23, 44.157, 22.952	70, 25.335, 182.308
22, 48.265, 27.369	73, 28.581, 181.936
	77, 31.696, 181.595

Harmonies

Complementary

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



45, 2.559, 6.147



46, 2.500, 185.546

Rectangle

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



45, 2.559, 6.147



45, 2.559, 56.147



45, 2.559, 186.147



45, 2.559, 236.147

Sweetspot

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



45, 2.558, 6.168



59, 1.171, 5.667



45, 4.140, 319.995



31, 0.671, 5.624



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, 2.558, 6.168



58, 3.549, 6.251



46, 2.030, 55.137



22, 1.884, 6.267



24, 53.275, 29.672



52, 93.795, 32.868

Inverse Universe

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



45, 2.558, 6.168



58, 3.549, 6.251



46, 1.985, 236.287



22, 1.884, 6.267



24, 53.275, 29.672



52, 93.795, 32.868

Previews

White Background



This preview shows how the CIELCh color 45, 2.559, 6.147 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, 2.559, 6.147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

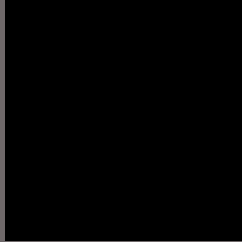
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 2.559, 6.147

Background



This preview shows how black text looks on a background with the CIELCh color 45, 2.559, 6.147.

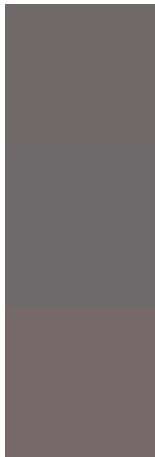


This preview shows how white text looks on a background with the CIELCh color 45, 2.559, 6.147.

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, 2.559, 6.147

Protanopia

45, 1.024, 343.540

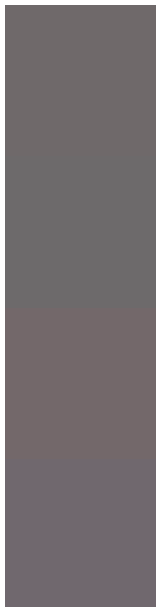
Deuteranopia

45, 6.113, 3.202



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color

45, 2.559, 6.147

Protanomaly

45, 1.378, 353.711

Deuteranomaly

45, 4.736, 5.414

Tritanomaly

45, 4.875, 332.733

Monochromacy



Original Color

45, 2.559, 6.147

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.024, 343.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 2.559, 6.147 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(111, 105, 106)` looks like.

```
.text, #text, p{  
    color:rgb(111, 105, 106)  
}
```

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(111, 105, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 105, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 2.559, 6.147 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(111, 105, 106) }
```

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

```
.border{ border-color:rgb(111, 105, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 105, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 105, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 105, 106);  
box-shadow:4px 4px 4px 4px rgb(111, 105,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 2.559, 6.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 105, 106) }
```

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

```
.background{ background-color: rgb(111,  
105, 106) }
```

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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