

Converting Colors

CIELCh(45, 1.321, 89.376)

Have a look what the booklet for
CIELCh(45, 1.321, 89.376) contains.

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Color

CIELCh(45, 1.252, 90.680)

Conversions

Conversions Part 1

Format	Color
Hex	6B6A68
RGB	107, 106, 104
RGB Percent	42%, 42%, 41%
CMY	0.5789, 0.5828, 0.5907
CMYK	0.00, 0.01, 0.03, 0.58
HSL	40°, 1%, 42%
HSV	40°, 3%, 42%
XYZ	13.8191, 14.5417, 15.2747
YIQ	106.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

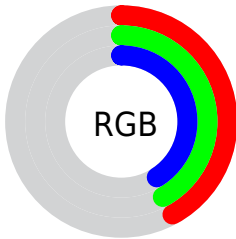
Format	Color
R_{YB}	106, 107, 104
Decimal	7039592
CIE Lab	45.00, -0.01, 1.25
CIE LCh	45, 1.252, 90.680
Yxy	14.5417, 0.3167, 0.3333
Android (android.graphics.Color)	4285229672 (0xFF6B6A68)
YUV	106.0710, -1.0210, 0.8147
Hunter-Lab	38.1336, -2.0477, 2.9444

Details

The CIELCh color $45, 1.252, 90.680$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 1.263, 271.624$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 1.163, 90.724$, and $25, 1.386, 90.521$ is the 20% darker color. If you saturate the color by 10%, you get $44, 5.811, 89.651$, and if you desaturate by 10%, it is $46, 3.215, 272.041$.

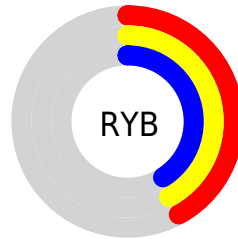
Distribution



Red (42%)

Green (42%)

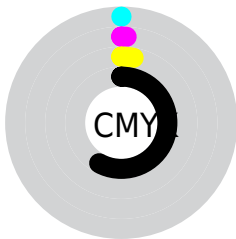
Blue (41%)



Red (42%)

Yellow (42%)

Blue (41%)

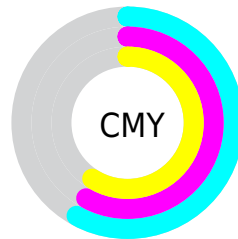


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (58%)



Cyan (58%)


Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 1.252, 90.680 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, 1.252, 90.680 by changing the saturation by 10% instead.

 45, 1.252, 90.680	 45, 1.252, 90.680
 100, 1.252, 90.680	 35, 1.252, 90.680
 65, 1.252, 90.680	 25, 1.252, 90.680
 75, 1.252, 90.680	 15, 1.252, 90.680
 85, 1.252, 90.680	 5, 1.252, 90.680
 95, 1.252, 90.680	 0, 1.252, 90.680

 45, 1.252, 90.680	 45, 1.252, 90.680
 44, 5.811, 89.651	 46, 3.215, 272.041
 42, 10.460, 88.444	 48, 7.595, 273.105
 41, 15.191, 87.193	 49, 11.893,

40, 19.983, 85.906	274.144
39, 24.792, 84.580	51, 16.115, 275.138
37, 29.533, 83.207	52, 20.266, 276.087
36, 34.050, 81.760	53, 24.352, 276.989
35, 38.084, 80.182	55, 28.378, 277.845
34, 41.295, 78.384	56, 32.349, 278.656
	58, 36.268, 279.424

Harmonies

Complementary

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



45, 1.252, 90.680



45, 1.263, 271.624

Rectangle

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



45, 1.252, 90.680



45, 1.252, 140.680



45, 1.252, 270.680



45, 1.252, 320.680

Sweetspot

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



45, 1.253, 90.734



58, 0.553, 90.725



44, 1.383, 353.717



30, 0.316, 90.705



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, 1.253, 90.734



58, 1.675, 90.712



45, 1.794, 116.518



22, 1.007, 90.670



37, 46.553, 76.930



73, 80.002, 75.153

Inverse Universe

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



45, 1.263, 271.624



57, 1.687, 271.647



44, 1.816, 296.895



22, 1.013, 271.692



19, 52.885, 295.121



42, 96.702, 297.278

Previews

White Background



This preview shows how the CIELCh color 45, 1.252, 90.680 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, 1.252, 90.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

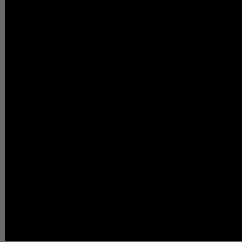
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

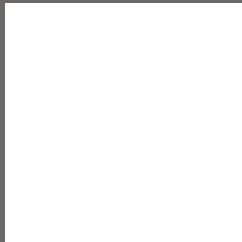
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 1.252, 90.680

Background



This preview shows how black text looks on a background with the CIELCh color 45, 1.252, 90.680.



This preview shows how white text looks on a background with the CIELCh color 45, 1.252, 90.680.

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, 1.252, 90.680

Protanopia

45, 1.711, 63.291

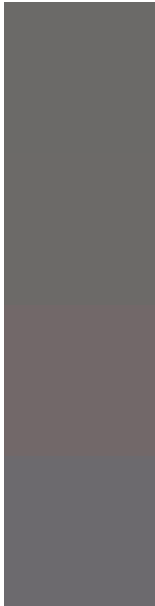
Deuteranopia

45, 5.983, 8.677



Tritanopia
45, 5.065, 309.349

Trichromacy



Original Color

45, 1.252, 90.680

Protanomaly

45, 1.440, 74.836

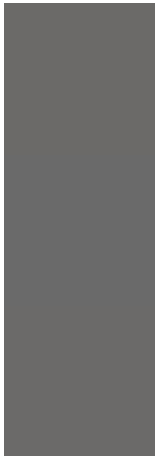
Deuteranomaly

45, 4.215, 11.755

Tritanomaly

45, 2.535, 309.188

Monochromacy



Original Color

45, 1.252, 90.680

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 0.716, 74.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 1.252, 90.680 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(107, 106, 104)` looks like.

```
.text, #text, p{  
    color:rgb(107, 106, 104)  
}
```

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(107, 106, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 106, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 1.252, 90.680 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(107, 106, 104) }
```

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

```
.border{ border-color:rgb(107, 106, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 106, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 106, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 106, 104);  
box-shadow:4px 4px 4px 4px rgb(107, 106,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 1.252, 90.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 106, 104) }
```

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

```
.background{ background-color: rgb(107,  
106, 104) }
```

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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