

Converting Colors

CIELCh(45, 10.194, 112.708)

Have a look what the booklet for
CIELCh(45, 10.194, 112.708)
contains.

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Color

CIELCh(45, 10.113, 113.629)

Conversions

Conversions Part 1

Format	Color
Hex	6A6C5B
RGB	106, 108, 91
RGB Percent	42%, 42%, 36%
CMY	0.5844, 0.5765, 0.6432
CMYK	0.02, 0.00, 0.16, 0.58
HSL	67°, 9%, 39%
HSV	67°, 16%, 42%
XYZ	13.1920, 14.5417, 12.0067
YIQ	105.4640, 4.2650, -5.7110

Conversions

Conversions Part 2

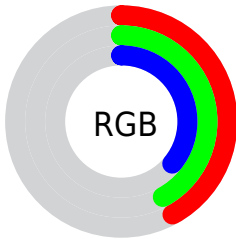
Format	Color
RYB	91, 108, 93
Decimal	6974555
CIELab	45.00, -4.05, 9.27
CIELCh	45, 10.113, 113.629
Yxy	14.5417, 0.3320, 0.3659
Android (android.graphics.Color)	4285164635 (0xFF6A6C5B)
YUV	105.4640, -7.1308, 0.4701
Hunter-Lab	38.1336, -4.9830, 8.0255

Details

The CIELCh color **45, 10.113, 113.629** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 10.456, 296.093**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 9.989, 113.662**, and **25, 10.465, 113.311** is the 20% darker color. If you saturate the color by 10%, you get **45, 16.476, 112.883**, and if you desaturate by 10%, it is **45, 3.694, 114.378**.

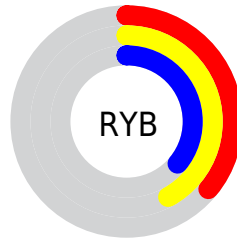
Distribution



Red (42%)

Green (42%)

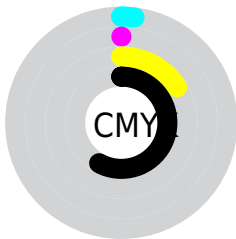
Blue (36%)



Red (36%)

Yellow (42%)

Blue (36%)

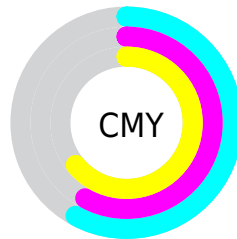


Cyan (2%)

Magenta (0%)

Yellow (16%)

Black (58%)



Cyan (58%)


Magenta (58%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 10.113, 113.629 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, 10.113, 113.629 by changing the saturation by 10% instead.


 45, 10.113,
113.629


 45, 10.113,
113.629


 100, 10.113,
113.629


 35, 10.113,
113.629

 65, 10.113,
113.629


 25, 10.113,
113.629


 75, 10.113,
113.629

 15, 10.113,
113.629

 85, 10.113,
113.629

 5, 10.113, 113.629

 95, 10.113,
113.629

 0, 10.113, 113.629

 45, 10.113,

 45, 10.113,

113.629

113.629

■ 45, 16.476,
112.883

■ 45, 3.694, 114.378

■ 44, 22.729,
112.140

■ 46, 2.750, 295.115

■ 46, 9.193, 295.817

■ 44, 28.798,
111.428

■ 47, 15.617,
296.492

■ 44, 34.568,
110.776

■ 47, 22.011,
297.134

■ 44, 39.875,
110.225

■ 48, 28.362,
297.743

■ 43, 44.494,
109.827

■ 48, 34.665,
298.316

■ 43, 48.156,
109.641

■ 49, 40.913,
298.855

■ 43, 50.814,
109.677

■ 50, 47.100,

■ 43, 51.941,
109.684

299.360

Harmonies

Complementary

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



45, 10.113, 113.629



39, 10.456, 296.093

Rectangle

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



45, 10.113, 113.629



45, 10.113, 163.629



45, 10.113, 293.629



45, 10.113, 343.629

Sweetspot

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



45, 10.114, 113.634



58, 3.984, 114.423



41, 6.625, 30.590



30, 2.740, 114.384



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, 10.114, 113.634



57, 15.108, 113.351



44, 11.078, 132.404



22, 3.589, 114.141



47, 55.095, 109.745



92, 94.904, 110.138

Inverse Universe

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



39, 10.456, 296.093



49, 15.747, 296.448



40, 11.247, 313.657



20, 3.661, 295.501



12, 74.661, 306.902



31, 129.029, 306.627

Previews

White Background



This preview shows how the CIELCh color 45, 10.113, 113.629 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, 10.113, 113.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

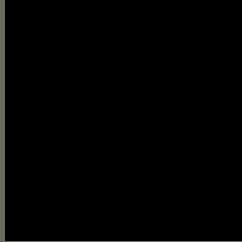
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

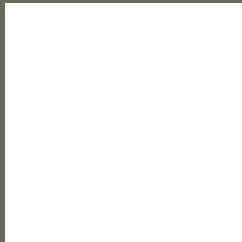
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 10.113, 113.629

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.113, 113.629.



This preview shows how white text looks on a background with the CIELCh color 45, 10.113, 113.629.

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, 10.113, 113.629

Protanopia

45, 9.852, 93.398

Deuteranopia

45, 10.673, 53.884



Tritanopia
45, 5.065, 309.349

Trichromacy



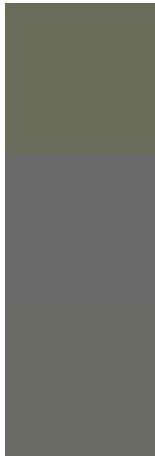
Original Color
45, 10.113, 113.629

Protanomaly
45, 10.159, 101.355

Deuteranomaly
45, 8.872, 72.976

Tritanomaly
45, 1.010, 55.183

Monochromacy



Original Color
45, 10.113, 113.629

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 3.599, 116.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.113, 113.629 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(106, 108, 91)` looks like.

```
.text, #text, p{  
    color:rgb(106, 108, 91)  
}
```

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(106, 108, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 108, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.113, 113.629 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(106, 108, 91) }
```

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

```
.border{ border-color:rgb(106, 108, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 108, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 108, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 108, 91);  
box-shadow:4px 4px 4px 4px rgb(106, 108,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.113, 113.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 108, 91) }
```

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

```
.background{ background-color: rgb(106,  
108, 91) }
```

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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