

Converting Colors

CIELCh(45, 30.083, 120.794)

Have a look what the booklet for
CIELCh(45, 30.083, 120.794)
contains.

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Color

CIELCh(45, 30.446, 120.709)

Conversions

Conversions Part 1

Format	Color
Hex	60713E
RGB	96, 113, 62
RGB Percent	38%, 44%, 24%
CMY	0.6249, 0.5583, 0.7582
CMYK	0.15, 0.00, 0.45, 0.56
HSL	80°, 29%, 34%
HSV	80°, 45%, 44%
XYZ	11.5117, 14.5417, 6.7094
YIQ	102.1030, 6.2390, -19.4650

Conversions

Conversions Part 2

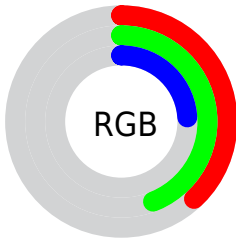
Format	Color
RYB	62, 113, 79
Decimal	6320446
CIELab	45.00, -15.55, 26.18
CIELCh	45, 30.446, 120.709
Yxy	14.5417, 0.3514, 0.4438
Android (android.graphics.Color)	4284510526 (0xFF60713E)
YUV	102.1030, -19.7708, -5.3523
Hunter-Lab	38.1336, -12.8488, 16.2618

Details

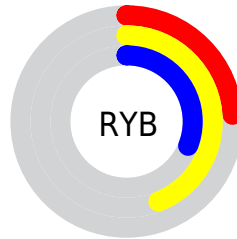
The CIELCh color $45, 30.446, 120.709$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 33.221, 305.990$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 30.373, 121.272$, and $25, 30.396, 120.770$ is the 20% darker color. If you saturate the color by 10%, you get $45, 36.688, 120.279$, and if you desaturate by 10%, it is $45, 23.918, 121.210$.

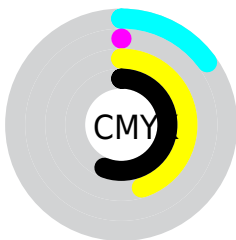
Distribution



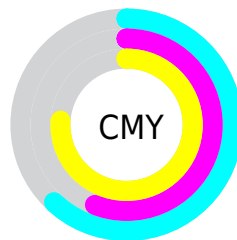
- Red (38%)
- Green (44%)
- Blue (24%)



- Red (24%)
- Yellow (44%)
- Blue (31%)



- Cyan (15%)
- Magenta (0%)
- Yellow (45%)
- Black (56%)





- Cyan (62%)
- Magenta (56%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 30.446, 120.709 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, 30.446, 120.709 by changing the saturation by 10% instead.


 45, 30.446,
120.709


 45, 30.446,
120.709


 100, 30.446,
120.709


 35, 30.446,
120.709

 65, 30.446,
120.709


 25, 30.446,
120.709

 75, 30.446,
120.709

 15, 30.446,
120.709


 85, 30.446,
120.709

 5, 30.446, 120.709

 95, 30.446,
120.709

 0, 30.446, 120.709

 45, 30.446,

 45, 30.446,

120.709

120.709

■ 45, 36.688,
120.279

■ 45, 23.918,
121.210

■ 44, 42.478,
119.970

■ 46, 17.217,
121.738

■ 44, 47.590,
119.861

■ 47, 10.422,
122.272

■ 44, 51.752,
120.047

■ 47, 3.588, 122.800

■ 43, 54.850,
120.568

■ 48, 3.247, 303.276

■ 43, 56.281,
120.789

■ 48, 10.057,
303.757

■ 49, 16.819,
304.201

■ 50, 23.520,
304.613

■ 51, 30.148,
304.994

Harmonies

Complementary

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



45, 30.446, 120.709



30, 33.221, 305.990

Rectangle

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



45, 30.446, 120.709



45, 30.446, 170.709



45, 30.446, 300.709



45, 30.446, 350.709

Sweetspot

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



45, 30.447, 120.711



59, 11.788, 122.320



37, 19.773, 52.687



31, 8.201, 122.229



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, 30.447, 120.711



57, 44.179, 120.274



43, 34.941, 137.246



23, 3.830, 122.603



46, 58.868, 120.889



89, 101.124, 121.736

Inverse Universe

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



30, 33.221, 305.990



35, 49.394, 306.794



33, 35.426, 321.698



21, 3.894, 303.524



14, 73.522, 309.161



35, 126.420, 308.615

Previews

White Background



This preview shows how the CIELCh color 45, 30.446, 120.709 looks on a white background.

Color Contrast Check

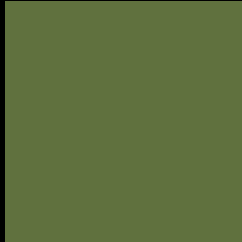
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.446, 120.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

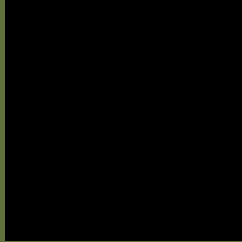
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 30.446, 120.709

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.446, 120.709.



This preview shows how white text looks on a background with the CIELCh color 45, 30.446, 120.709.

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, 30.446, 120.709

Protanopia

45, 27.951, 95.461

Deuteranopia

45, 25.920, 76.075



Tritanopia
45, 4.996, 272.455

Trichromacy



Original Color
45, 30.446, 120.709

Protanomaly
45, 27.897, 105.202

Deuteranomaly
45, 25.341, 93.711

Tritanomaly
45, 8.627, 135.016

Monochromacy



Original Color
45, 30.446, 120.709

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.609, 121.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.446, 120.709 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(96, 113, 62)` looks like.

```
.text, #text, p{  
    color:rgb(96, 113, 62)  
}
```

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(96, 113, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 113, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.446, 120.709 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(96, 113, 62) }
```

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

```
.border{ border-color:rgb(96, 113, 62) }
```

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

Here you see how a box with a 4 pixel rgb(96, 113, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 113, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 113, 62);  
box-shadow:4px 4px 4px 4px rgb(96, 113,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.446, 120.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 113, 62) }
```

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

```
.background{ background-color: rgb(96, 113,  
62) }
```

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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