

Converting Colors

CIELCh(45, 43.114, 104.645)

Have a look what the booklet for
CIELCh(45, 43.114, 104.645)
contains.

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Color

CIELCh(45, 43.165, 104.704)

Conversions

Conversions Part 1

Format	Color
Hex	6D6E1F
RGB	109, 110, 31
RGB Percent	43%, 43%, 12%
CMY	0.5720, 0.5681, 0.8779
CMYK	0.01, 0.00, 0.72, 0.57
HSL	61°, 56%, 28%
HSV	61°, 72%, 43%
XYZ	12.1646, 14.5417, 3.4719
YIQ	100.6950, 24.7630, -24.7810

Conversions

Conversions Part 2

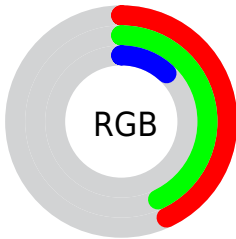
Format	Color
R_{YB}	31, 110, 32
Decimal	7171615
CIE Lab	45.00, -10.96, 41.75
CIE LCh	45, 43.165, 104.704
Yxy	14.5417, 0.4031, 0.4819
Android (android.graphics.Color)	4285361695 (0xFF6D6E1F)
YUV	100.6950, -34.3596, 7.2835
Hunter-Lab	38.1336, -9.7922, 21.2954

Details

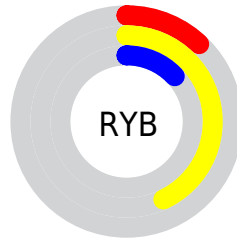
The CIELCh color $45, 43.165, 104.704$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $18, 53.418, 301.551$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 42.841, 104.376$, and $25, 35.245, 106.521$ is the 20% darker color. If you saturate the color by 10%, you get $45, 47.232, 104.184$, and if you desaturate by 10%, it is $45, 38.218, 105.368$.

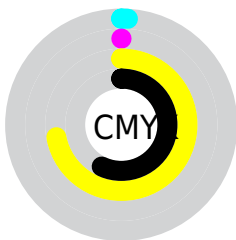
Distribution



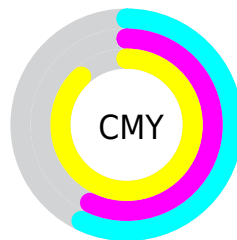
- Red (43%)
- Green (43%)
- Blue (12%)



- Red (12%)
- Yellow (43%)
- Blue (13%)



- Cyan (1%)
- Magenta (0%)
- Yellow (72%)
- Black (57%)





- Cyan (57%)
- Magenta (57%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 43.165, 104.704 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, 43.165, 104.704 by changing the saturation by 10% instead.


 45, 43.165,
104.704


 45, 43.165,
104.704


 100, 43.165,
104.704


 35, 43.165,
104.704

 65, 43.165,
104.704


 25, 43.165,
104.704

 75, 43.165,
104.704

 15, 43.165,
104.704

 85, 43.165,
104.704

 5, 43.165, 104.704

 95, 43.165,
104.704

 0, 43.165, 104.704

 45, 43.165,

 45, 43.165,

104.704

104.704

■ 45, 47.232,
104.184

■ 45, 38.218,
105.368

■ 45, 50.153,
103.834

■ 45, 32.656,
106.131

■ 45, 52.217,
103.598

■ 45, 26.689,
106.962

■ 46, 20.468,
107.836

■ 46, 14.091,
108.730

■ 46, 7.626, 109.627

■ 46, 1.117, 110.488

■ 47, 5.408, 291.402

■ 47, 11.928,

Harmonies

Complementary

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



45, 43.165, 104.704



18, 53.418, 301.551

Rectangle

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



45, 43.165, 104.704



45, 43.165, 154.704



45, 43.165, 284.704



45, 43.165, 334.704

Sweetspot

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



45, 43.165, 104.706



59, 17.653, 108.652



25, 40.100, 29.783



30, 11.769, 108.481



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, 43.165, 104.706



57, 59.412, 103.934



42, 47.098, 126.311



23, 3.716, 109.867



49, 55.459, 103.604



94, 94.717, 103.647

Inverse Universe

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



18, 53.418, 301.551



19, 78.606, 304.591



22, 52.208, 312.379



21, 3.792, 291.532



12, 76.487, 306.349



31, 130.707, 306.313

Previews

White Background



This preview shows how the CIELCh color 45, 43.165, 104.704 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, 43.165, 104.704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

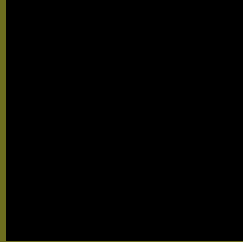
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 43.165, 104.704

Background



This preview shows how black text looks on a background with the CIELCh color 45, 43.165, 104.704.



This preview shows how white text looks on a background with the CIELCh color 45, 43.165, 104.704.

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, 43.165, 104.704

Protanopia

45, 42.770, 96.166

Deuteranopia

45, 41.077, 81.891



Tritanopia
45, 7.174, 338.684

Trichromacy



Original Color
45, 43.165, 104.704

Protanomaly
45, 42.885, 99.479

Deuteranomaly
45, 40.640, 90.377

Tritanomaly
45, 14.671, 93.997

Monochromacy



Original Color
45, 43.165, 104.704

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 16.619, 107.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 43.165, 104.704 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(109, 110, 31)` looks like.

```
.text, #text, p{  
    color:rgb(109, 110, 31)  
}
```

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(109, 110, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 110, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 43.165, 104.704 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(109, 110, 31) }
```

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

```
.border{ border-color:rgb(109, 110, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 110, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 110, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 110, 31);  
box-shadow:4px 4px 4px 4px rgb(109, 110,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 43.165, 104.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 110, 31) }
```

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

```
.background{ background-color: rgb(109,  
110, 31) }
```

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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