

Converting Colors

CIELCh(45, 54.758, 112.456)

Have a look what the booklet for
CIELCh(45, 54.758, 112.456)
contains.

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Color

CIELCh(45, 54.425, 112.447)

Conversions

Conversions Part 1

Format	Color
Hex	5F7200
RGB	95, 114, 0
RGB Percent	37%, 45%, 0%
CMY	0.6264, 0.5519, 0.9985
CMYK	0.17, 0.00, 1.00, 0.55
HSL	70°, 99%, 22%
HSV	70°, 100%, 45%
XYZ	10.7965, 14.5417, 2.2485
YIQ	95.3230, 25.2700, -39.4820

Conversions

Conversions Part 2

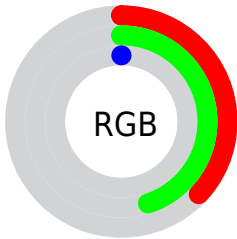
Format	Color
RYB	0, 114, 19
Decimal	6255104
CIELab	45.00, -20.78, 50.30
CIElCh	45, 54.425, 112.447
Yxy	14.5417, 0.3914, 0.5271
Android (android.graphics.Color)	4284445184 (0xFF5F7200)
YUV	95.3230, -46.9942, -0.2833
Hunter-Lab	38.1336, -16.1965, 23.1975

Details

The CIELCh color **45, 54.425, 112.447** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 72.668, 307.230**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 54.375, 112.413**, and **25, 38.337, 119.982** is the 20% darker color. If you saturate the color by 10%, you get **45, 54.515, 112.454**, and if you desaturate by 10%, it is **45, 51.811, 112.226**.

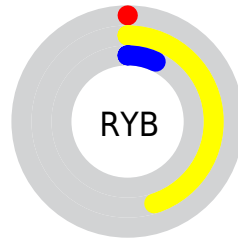
Distribution



Red (37%)

Green (45%)

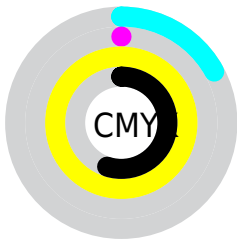
Blue (0%)



Red (0%)

Yellow (45%)

Blue (7%)

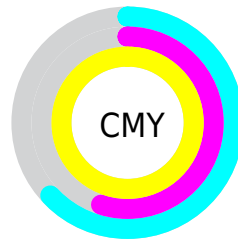


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (63%)

Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 54.425, 112.447 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, 54.425, 112.447 by changing the saturation by 10% instead.

 45, 54.425,
112.447

 45, 54.425,
112.447


 100, 54.425,
112.447

 35, 54.425,
112.447

 65, 54.425,
112.447

 25, 54.425,
112.447

 75, 54.425,
112.447

 15, 54.425,
112.447

 85, 54.425,
112.447

 5, 54.425, 112.447

 95, 54.425,
112.447

 0, 54.425, 112.447

 45, 54.425,

 45, 54.425,

112.447

112.447

■ 45, 54.515,
112.454

■ 45, 51.811,
112.226

■ 45, 48.444,
112.170

■ 46, 43.955,
112.387

■ 46, 38.628,
112.804

■ 46, 32.725,
113.355

■ 46, 26.446,
113.987

■ 47, 19.931,
114.664

■ 47, 13.273,
115.358

Harmonies

Complementary

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



45, 54.425, 112.447



12, 72.668, 307.230

Rectangle

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



45, 54.425, 112.447



45, 54.425, 162.447



45, 54.425, 292.447



45, 54.425, 342.447

Sweetspot

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



45, 54.425, 112.449



60, 24.884, 114.588



24, 53.073, 41.644



30, 16.831, 114.369



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, 54.425, 112.449



57, 65.732, 112.686



42, 62.745, 131.898



23, 3.747, 116.099



47, 56.416, 112.501



92, 96.531, 113.022

Inverse Universe

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



12, 72.668, 307.230



17, 88.008, 307.106



19, 66.332, 316.764



21, 3.820, 297.351



13, 75.438, 307.236



32, 129.496, 306.898

Previews

White Background



This preview shows how the CIELCh color 45, 54.425, 112.447 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, 54.425, 112.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

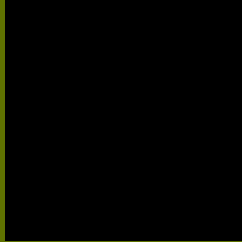
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 54.425, 112.447

Background



This preview shows how black text looks on a background with the CIELCh color 45, 54.425, 112.447.



This preview shows how white text looks on a background with the CIELCh color 45, 54.425, 112.447.

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, 54.425, 112.447

Protanopia

45, 51.581, 95.666

Deuteranopia

45, 47.079, 83.150



Tritanopia
45, 5.418, 282.559

Trichromacy



Original Color
45, 54.425, 112.447

Protanomaly
45, 52.161, 102.313

Deuteranomaly
45, 48.281, 95.011

Tritanomaly
44, 21.444, 116.792

Monochromacy



Original Color
45, 54.425, 112.447

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 24.946, 113.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 54.425, 112.447 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(95, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 114, 0)  
}
```

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(95, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 114, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 54.425, 112.447 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(95, 114, 0) }
```

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

```
.border{ border-color:rgb(95, 114, 0) }
```

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

Here you see how a box with a 4 pixel rgb(95, 114, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 114, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 54.425, 112.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 114, 0) }
```

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

```
.background{ background-color: rgb(95, 114,  
0) }
```

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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