

Converting Colors

CIELCh(46, 54.715, 111.421)

Have a look what the booklet for
CIELCh(46, 54.715, 111.421)
contains.

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Color

CIELCh(46, 54.472, 111.473)

Conversions

Conversions Part 1

Format	Color
Hex	637403
RGB	99, 116, 3
RGB Percent	39%, 45%, 1%
CMY	0.6101, 0.5435, 0.9897
CMYK	0.15, 0.00, 0.98, 0.54
HSL	69°, 96%, 23%
HSV	69°, 98%, 46%
XYZ	11.5002, 15.2687, 2.4166
YIQ	98.0350, 26.1410, -38.7470

Conversions

Conversions Part 2

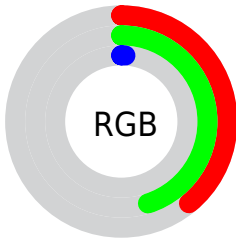
Format	Color
R_{YB}	3, 116, 20
Decimal	6517763
CIE Lab	46.00, -19.94, 50.69
CIE LCh	46, 54.472, 111.473
Yxy	15.2687, 0.3940, 0.5232
Android (android.graphics.Color)	4284707843 (0xFF637403)
YUV	98.0350, -46.8523, 0.8463
Hunter-Lab	39.0751, -15.8470, 23.6858

Details

The CIELCh color **46, 54.472, 111.473** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 72.653, 306.846**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.231, 111.540**, and **26, 38.847, 118.194** is the 20% darker color. If you saturate the color by 10%, you get **46, 55.072, 111.509**, and if you desaturate by 10%, it is **46, 51.857, 111.289**.

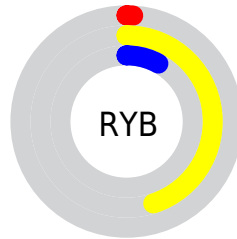
Distribution



Red (39%)

Green (45%)

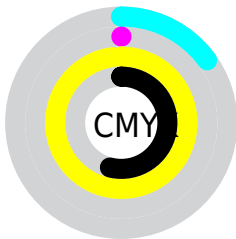
Blue (1%)



Red (1%)

Yellow (45%)

Blue (8%)

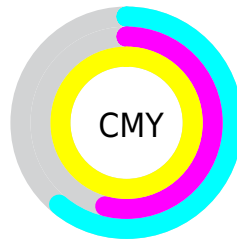


Cyan (15%)

Magenta (0%)

Yellow (98%)

Black (54%)



Cyan (61%)

Magenta (54%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 54.472, 111.473 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 46, 54.472, 111.473 by changing the saturation by 10% instead.


 46, 54.472,
111.473

 46, 54.472,
111.473


 100, 54.472,
111.473

 36, 54.472,
111.473

 66, 54.472,
111.473


 26, 54.472,
111.473

 76, 54.472,
111.473

 16, 54.472,
111.473

 86, 54.472,
111.473

 6, 54.472, 111.473

 96, 54.472,
111.473

 0, 54.472, 111.473

 46, 54.472,

 46, 54.472,

111.473

111.473

■ 46, 55.072,
111.509

■ 46, 51.857,
111.289

■ 46, 48.243,
111.328

■ 47, 43.533,
111.619

■ 47, 38.019,
112.092

■ 47, 31.958,
112.685

■ 47, 25.543,
113.351

■ 48, 18.907,
114.055

■ 48, 12.141,
114.773

Harmonies

Complementary

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



46, 54.472, 111.473



12, 72.653, 306.846

Rectangle

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



46, 54.472, 111.473



46, 54.472, 161.473



46, 54.472, 291.473



46, 54.472, 341.473

Sweetspot

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



46, 54.472, 111.475



61, 24.366, 113.913



24, 53.704, 40.426



31, 16.811, 113.671



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 54.472, 111.475



59, 66.340, 111.715



43, 62.395, 131.122



24, 3.884, 115.394



48, 57.093, 111.552



93, 96.939, 112.012

Inverse Universe

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



12, 72.653, 306.846



17, 89.296, 306.972



19, 66.879, 315.822



22, 3.961, 296.700



13, 76.754, 307.088



32, 130.730, 306.787

Previews

White Background



This preview shows how the CIELCh color 46, 54.472, 111.473 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 46, 54.472, 111.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

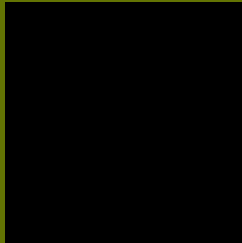
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 54.472, 111.473

Background



This preview shows how black text looks on a background with the CIELCh color 46, 54.472, 111.473.



This preview shows how white text looks on a background with the CIELCh color 46, 54.472, 111.473.

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


46, 54.258, 111.532

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 48.008, 82.969



Tritanopia
46, 5.376, 295.151

Trichromacy



Original Color
46, 54.258, 111.532

Protanomaly
46, 52.610, 101.815

Deuteranomaly
46, 48.847, 94.567

Tritanomaly
46, 21.183, 113.287

Monochromacy



Original Color
46, 54.258, 111.532

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 24.818, 112.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 54.472, 111.473 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(99, 116, 3)` looks like.

```
.text, #text, p{  
    color:rgb(99, 116, 3)  
}
```

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(99, 116, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 116, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 54.472, 111.473 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(99, 116, 3) }
```

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

```
.border{ border-color:rgb(99, 116, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 116, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 116, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 116, 3);  
box-shadow:4px 4px 4px 4px rgb(99, 116, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 54.472, 111.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 116, 3) }
```

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

```
.background{ background-color: rgb(99, 116,  
3) }
```

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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