

Converting Colors

CIELCh(40, 44.648, 108.499)

Have a look what the booklet for
CIELCh(40, 44.648, 108.499)
contains.

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Color

CIELCh(40, 44.658, 108.483)

Conversions

Conversions Part 1

Format	Color
Hex	5B630F
RGB	91, 99, 15
RGB Percent	36%, 39%, 6%
CMY	0.6420, 0.6107, 0.9398
CMYK	0.08, 0.00, 0.85, 0.61
HSL	66°, 73%, 22%
HSV	66°, 85%, 39%
XYZ	8.9203, 11.2510, 2.1667
YIQ	87.0320, 22.1960, -27.8200

Conversions

Conversions Part 2

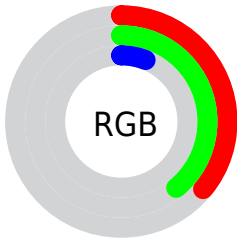
Format	Color
R_{YB}	15, 99, 23
Decimal	5989135
CIE Lab	40.00, -14.16, 42.35
CIE LCh	40, 44.658, 108.483
Yxy	11.2510, 0.3993, 0.5037
Android (android.graphics.Color)	4284179215 (0xFF5B630F)
YUV	87.0320, -35.5118, 3.4799
Hunter-Lab	33.5425, -11.2291, 19.6498

Details

The CIELCh color $40, 44.658, 108.483$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $12, 57.425, 304.722$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 44.660, 108.555$, and $20, 30.943, 114.694$ is the 20% darker color. If you saturate the color by 10%, you get $40, 47.337, 108.403$, and if you desaturate by 10%, it is $40, 41.061, 108.768$.

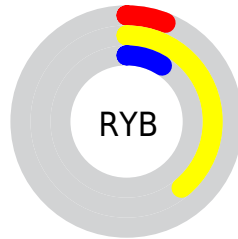
Distribution



Red (36%)

Green (39%)

Blue (6%)



Red (6%)

Yellow (39%)

Blue (9%)

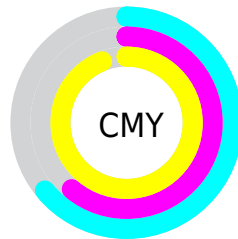


Cyan (8%)

Magenta (0%)

Yellow (85%)

Black (61%)



Cyan (64%)

Magenta (61%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 44.658, 108.483 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 40, 44.658, 108.483 by changing the saturation by 10% instead.

 40, 44.658,
108.483

 40, 44.658,
108.483

 100, 44.658,
108.483

 30, 44.658,
108.483

 60, 44.658,
108.483

 20, 44.658,
108.483

 70, 44.658,
108.483

 10, 44.658,
108.483

 80, 44.658,
108.483

 0, 44.658, 108.483

 90, 44.658,
108.483

 40, 44.658,

 40, 44.658,

108.483

■ 40, 47.337,
108.403

■ 40, 48.804,
108.347

108.483

■ 40, 41.061,
108.768

■ 40, 36.626,
109.237

■ 40, 31.596,
109.838

■ 41, 26.167,
110.527

■ 41, 20.482,
111.268

■ 41, 14.638,
112.035

■ 42, 8.701, 112.808

■ 42, 2.715, 113.571

Harmonies

Complementary

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



40, 44.658, 108.483



12, 57.425, 304.722

Rectangle

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



40, 44.658, 108.483



40, 44.658, 158.483



40, 44.658, 288.483



40, 44.658, 338.483

Sweetspot

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



40, 44.658, 108.485



53, 18.613, 111.941



21, 42.051, 36.403



27, 12.781, 111.747



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 44.658, 108.485



52, 59.166, 108.509



37, 50.146, 129.142



20, 3.294, 113.244



45, 53.216, 108.425



90, 93.096, 108.767

Inverse Universe

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



12, 57.425, 304.722



14, 80.633, 306.720



17, 54.644, 314.806



18, 3.359, 294.632



11, 72.453, 306.794



31, 127.178, 306.535

Previews

White Background



This preview shows how the CIELCh color 40, 44.658, 108.483 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 40, 44.658, 108.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

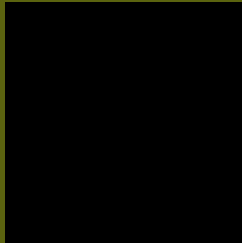
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 44.658, 108.483

Background



This preview shows how black text looks on a background with the CIELCh color 40, 44.658, 108.483.



This preview shows how white text looks on a background with the CIELCh color 40, 44.658, 108.483.

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


40, 44.658, 108.483

Protanopia

40, 43.281, 95.380

Deuteranopia

40, 41.205, 82.237



Tritanopia
40, 5.504, 317.591

Trichromacy



Original Color
40, 44.658, 108.483

Protanomaly
40, 43.665, 100.117

Deuteranomaly
40, 41.240, 92.460

Tritanomaly
40, 15.682, 106.048

Monochromacy



Original Color
40, 44.658, 108.483

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 18.194, 110.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 44.658, 108.483 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(91, 99, 15)` looks like.

```
.text, #text, p{  
    color:rgb(91, 99, 15)  
}
```

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(91, 99, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 99, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 44.658, 108.483 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(91, 99, 15) }
```

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

```
.border{ border-color:rgb(91, 99, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 99, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 99, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 99, 15);  
box-shadow:4px 4px 4px 4px rgb(91, 99, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 44.658, 108.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 99, 15) }
```

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

```
.background{ background-color: rgb(91, 99,  
15) }
```

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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