

Converting Colors

CIELCh(40, 25.546, 106.294)

Have a look what the booklet for
CIELCh(40, 25.546, 106.294)
contains.

CIELCh(40, 25.484, 106.220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 25.484, 106.220)

Conversions

Conversions Part 1

Format	Color
Hex	616136
RGB	97, 97, 54
RGB Percent	38%, 38%, 21%
CMY	0.6213, 0.6213, 0.7898
CMYK	0.00, 0.00, 0.44, 0.62
HSL	60°, 29%, 29%
HSV	60°, 44%, 38%
XYZ	9.7753, 11.2510, 5.0974
YIQ	92.0980, 13.8030, -13.3730

Conversions

Conversions Part 2

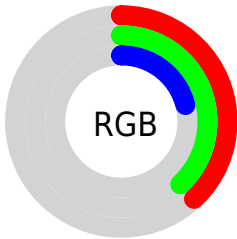
Format	Color
R_{YB}	54, 97, 54
Decimal	6381878
CIE Lab	40.00, -7.12, 24.47
CIE LCh	40, 25.484, 106.220
Yxy	11.2510, 0.3742, 0.4307
Android (android.graphics.Color)	4284571958 (0xFF616136)
YUV	92.0980, -18.7823, 4.2991
Hunter-Lab	33.5425, -6.6792, 14.4694

Details

The CIELCh color $40, 25.484, 106.220$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $24, 28.401, 295.821$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 25.041, 105.337$, and $20, 25.707, 106.642$ is the 20% darker color. If you saturate the color by 10%, you get $40, 30.779, 105.397$, and if you desaturate by 10%, it is $40, 19.942, 107.093$.

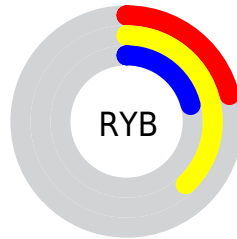
Distribution



Red (38%)

Green (38%)

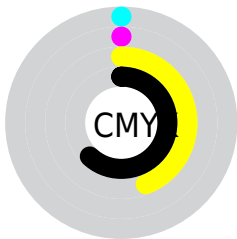
Blue (21%)



Red (21%)

Yellow (38%)

Blue (21%)

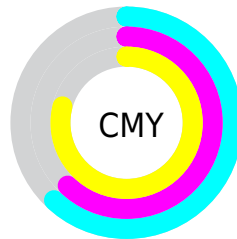


Cyan (0%)

Magenta (0%)

Yellow (44%)

Black (62%)



Cyan (62%)


Magenta (62%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.484, 106.220 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, 25.484, 106.220 by changing the saturation by 10% instead.


 40, 25.484,
106.220


 40, 25.484,
106.220


 100, 25.484,
106.220


 30, 25.484,
106.220

 60, 25.484,
106.220


 20, 25.484,
106.220

 70, 25.484,
106.220

 10, 25.484,
106.220

 80, 25.484,
106.220

 0, 25.484, 106.220

 90, 25.484,
106.220

 40, 25.484,

 40, 25.484,

106.220

106.220

■ 40, 30.779,
105.397

■ 40, 19.942,
107.093

■ 40, 35.685,
104.641

■ 40, 14.245,
107.988

■ 40, 40.008,
103.986

■ 41, 8.460, 108.889

■ 40, 43.512,
103.465

■ 41, 2.626, 109.777

■ 41, 3.226, 290.687

■ 40, 46.136,
103.082

■ 41, 9.079, 291.540

■ 40, 47.593,
102.872

■ 42, 14.918,
292.370

■ 42, 20.734,
293.169

■ 43, 26.519,
293.932

Harmonies

Complementary

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



40, 25.484, 106.220



24, 28.401, 295.821

Rectangle

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



40, 25.484, 106.220



40, 25.484, 156.220



40, 25.484, 286.220



40, 25.484, 336.220

Sweetspot

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



40, 25.485, 106.223



52, 9.377, 108.989



28, 20.959, 23.541



27, 6.611, 108.842



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 25.485, 106.223



51, 36.993, 105.391



38, 27.473, 127.128



20, 3.284, 109.392



46, 52.900, 102.872



92, 92.476, 102.873

Inverse Universe

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



24, 28.401, 295.821



28, 42.639, 297.654



27, 29.171, 311.150



18, 3.349, 291.040



10, 73.043, 306.289



30, 127.691, 306.288

Previews

White Background



This preview shows how the CIELCh color 40, 25.484, 106.220 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, 25.484, 106.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

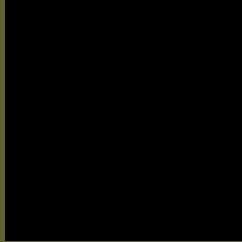
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

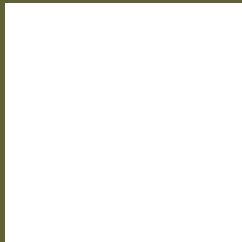
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 25.484, 106.220

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.484, 106.220.



This preview shows how white text looks on a background with the CIELCh color 40, 25.484, 106.220.

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, 25.484, 106.220

Protanopia

40, 24.974, 95.183

Deuteranopia

40, 24.636, 77.231



Tritanopia
40, 6.443, 331.075

Trichromacy



Original Color
40, 25.484, 106.220

Protanomaly
40, 25.172, 99.681

Deuteranomaly
40, 24.200, 87.874

Tritanomaly
40, 7.188, 87.478

Monochromacy



Original Color
40, 25.484, 106.220

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 9.706, 108.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.484, 106.220 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(97, 97, 54)` looks like.

```
.text, #text, p{  
    color:rgb(97, 97, 54)  
}
```

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(97, 97, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 97, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.484, 106.220 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(97, 97, 54) }
```

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

```
.border{ border-color:rgb(97, 97, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 97, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 97, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 97, 54);  
box-shadow:4px 4px 4px 4px rgb(97, 97, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.484, 106.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 97, 54) }
```

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

```
.background{ background-color: rgb(97, 97,  
54) }
```

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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