

Converting Colors

CIELCh(36, 25.780, 117.717)

Have a look what the booklet for
CIELCh(36, 25.780, 117.717)
contains.

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Color

CIELCh(36, 25.780, 117.717)

Conversions

Conversions Part 1

Format	Color
Hex	4E592F
RGB	78, 89, 47
RGB Percent	31%, 35%, 18%
CMY	0.6934, 0.6503, 0.8150
CMYK	0.12, 0.00, 0.47, 0.65
HSL	76°, 31%, 27%
HSV	76°, 47%, 35%
XYZ	7.2601, 9.0082, 4.0630
YIQ	80.9230, 6.9260, -15.3940

Conversions

Conversions Part 2

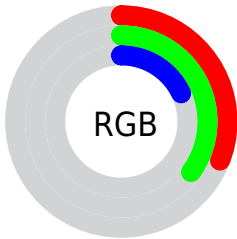
Format	Color
R_{YB}	47, 89, 58
Decimal	5134639
CIE _{Lab}	36.00, -11.99, 22.82
CIE _{LCh}	36, 25.780, 117.717
Yxy	9.0082, 0.3571, 0.4431
Android (android.graphics.Color)	4283324719 (0xFF4E592F)
YUV	80.9230, -16.7240, -2.5635
Hunter-Lab	30.0136, -9.3458, 12.9833

Details

The CIELCh color **36, 25.780, 117.717** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **23, 28.425, 303.824**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 25.738, 117.708**, and **16, 25.468, 117.347** is the 20% darker color. If you saturate the color by 10%, you get **36, 30.827, 117.249**, and if you desaturate by 10%, it is **36, 20.493, 118.255**.

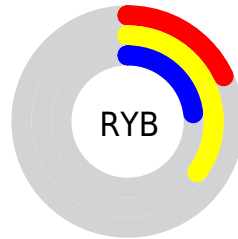
Distribution



Red (31%)

Green (35%)

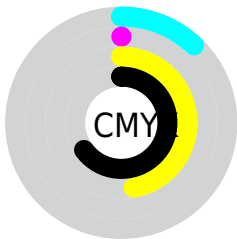
Blue (18%)



Red (18%)

Yellow (35%)

Blue (23%)

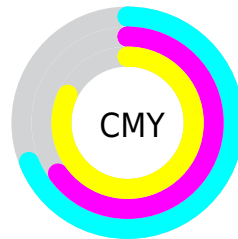


Cyan (12%)

Magenta (0%)

Yellow (47%)

Black (65%)



Cyan (69%)


Magenta (65%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 25.780, 117.717 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 36, 25.780, 117.717 by changing the saturation by 10% instead.


 36, 25.780,
117.717


 36, 25.780,
117.717

 100, 25.780,
117.717


 26, 25.780,
117.717

 56, 25.780,
117.717


 16, 25.780,
117.717


 66, 25.780,
117.717

 6, 25.780, 117.717

 76, 25.780,
117.717

 0, 25.780, 117.717

 86, 25.780,
117.717

 96, 25.780,
117.717

■ 36, 25.780,
117.717

■ 36, 25.780,
117.717

■ 36, 30.827,
117.249

■ 36, 20.493,
118.255

■ 35, 35.501,
116.892

■ 37, 15.055,
118.823

■ 35, 39.625,
116.714

■ 37, 9.531, 119.399

■ 35, 42.984,
116.795

■ 38, 3.963, 119.971

■ 38, 1.618, 300.506

■ 35, 45.843,
117.011

■ 39, 7.189, 301.044

■ 35, 46.725,
117.034

■ 39, 12.735,
301.545

■ 40, 18.244,
302.017

■ 40, 23.705,

Harmonies

Complementary

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



36, 25.780, 117.717



23, 28.425, 303.824

Rectangle

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



36, 25.780, 117.717



36, 25.780, 167.717



36, 25.780, 297.717



36, 25.780, 347.717

Sweetspot

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



36, 25.781, 117.719



48, 9.604, 119.553



28, 17.510, 44.274



24, 6.681, 119.470



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



36, 25.781, 117.719



46, 37.767, 117.179



35, 29.232, 134.987



17, 3.047, 119.878



42, 53.192, 117.328



86, 95.002, 118.187

Inverse Universe

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



23, 28.425, 303.824



26, 42.965, 304.932



25, 29.964, 319.138



16, 3.100, 300.864



11, 68.609, 308.298



32, 122.887, 307.742

Previews

White Background



This preview shows how the CIELCh color 36, 25.780, 117.717 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 25.780, 117.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

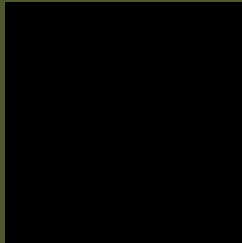
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 25.780, 117.717

Background



This preview shows how black text looks on a background with the CIELCh color 36, 25.780, 117.717.



This preview shows how white text looks on a background with the CIELCh color 36, 25.780, 117.717.

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


36, 25.780, 117.717

Protanopia

36, 23.989, 96.736

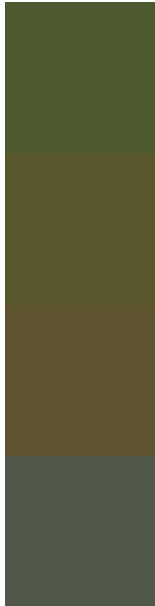
Deuteranopia

36, 22.709, 78.138



Tritanopia
36, 4.352, 290.903

Trichromacy



Original Color
36, 25.780, 117.717

Protanomaly
36, 24.706, 104.912

Deuteranomaly
36, 22.520, 93.854

Tritanomaly
36, 7.033, 123.569

Monochromacy



Original Color
36, 25.780, 117.717

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 9.471, 119.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 25.780, 117.717 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(78, 89, 47)` looks like.

```
.text, #text, p{  
    color:rgb(78, 89, 47)  
}
```

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(78, 89, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 89, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 25.780, 117.717 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(78, 89, 47) }
```

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

```
.border{ border-color:rgb(78, 89, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 89, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 89, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 89, 47);  
box-shadow:4px 4px 4px 4px rgb(78, 89, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 25.780, 117.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 89, 47) }
```

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

```
.background{ background-color: rgb(78, 89,  
47) }
```

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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