

Converting Colors

CIELCh(36, 47.502, 117.154)

Have a look what the booklet for
CIELCh(36, 47.502, 117.154)
contains.

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Color

CIELCh(36, 47.781, 117.044)

Conversions

Conversions Part 1

Format	Color
Hex	455D01
RGB	69, 93, 1
RGB Percent	27%, 36%, 0%
CMY	0.7311, 0.6369, 0.9979
CMYK	0.26, 0.00, 0.99, 0.64
HSL	76°, 99%, 18%
HSV	76°, 99%, 36%
XYZ	6.3059, 9.0082, 1.4220
YIQ	75.3360, 15.2280, -33.7000

Conversions

Conversions Part 2

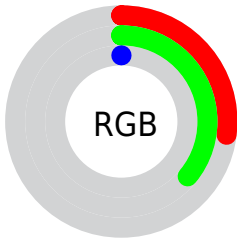
Format	Color
R _{YB}	1, 93, 25
Decimal	4545793
CIE Lab	36.00, -21.72, 42.56
CIE LCh	36, 47.781, 117.044
Yxy	9.0082, 0.3768, 0.5383
Android (android.graphics.Color)	4282735873 (0xFF455D01)
YUV	75.3360, -36.6476, -5.5567
Hunter-Lab	30.0136, -15.0209, 18.2005

Details

The CIELCh color **36, 47.781, 117.044** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **9, 61.464, 308.379**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 47.800, 117.092**, and **16, 30.868, 131.314** is the 20% darker color. If you saturate the color by 10%, you get **36, 47.962, 117.052**, and if you desaturate by 10%, it is **36, 44.889, 116.829**.

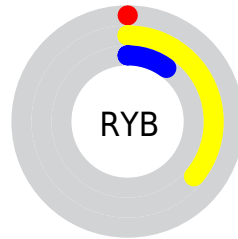
Distribution



Red (27%)

Green (36%)

Blue (0%)



Red (0%)

Yellow (36%)

Blue (10%)

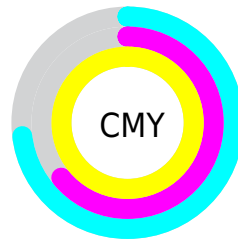


Cyan (26%)

Magenta (0%)

Yellow (99%)

Black (64%)



Cyan (73%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 47.781, 117.044 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, 47.781, 117.044 by changing the saturation by 10% instead.


 36, 47.781,
117.044


 36, 47.781,
117.044

 100, 47.781,
117.044


 26, 47.781,
117.044

 56, 47.781,
117.044

 16, 47.781,
117.044


 66, 47.781,
117.044

 6, 47.781, 117.044

 76, 47.781,
117.044

 0, 47.781, 117.044

 86, 47.781,
117.044

 96, 47.781,
117.044

■ 36, 47.781,
117.044

■ 36, 47.781,
117.044

■ 36, 47.962,
117.052

■ 36, 44.889,
116.829

■ 36, 41.679,
116.663

■ 37, 37.615,
116.782

■ 37, 32.924,
117.102

■ 37, 27.804,
117.551

■ 38, 22.403,
118.078

■ 38, 16.826,
118.644

■ 38, 11.145,

119.224

■ 39, 5.409, 119.801

Harmonies

Complementary

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



36, 47.781, 117.044



9, 61.464, 308.379

Rectangle

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



36, 47.781, 117.044



36, 47.781, 167.044



36, 47.781, 297.044



36, 47.781, 347.044

Sweetspot

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



36, 47.781, 117.046



49, 21.211, 118.557



20, 42.289, 44.090



25, 14.562, 118.397



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



36, 47.781, 117.046



46, 57.661, 117.442



34, 54.833, 133.193



19, 3.198, 119.835



43, 54.083, 117.317



87, 95.759, 118.146

Inverse Universe

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



9, 61.464, 308.379



14, 74.449, 308.175



16, 56.240, 319.547



17, 3.254, 300.837



12, 69.795, 308.262



32, 123.921, 307.727

Previews

White Background



This preview shows how the CIELCh color 36, 47.781, 117.044 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 CIE LCh color 36, 47.781, 117.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

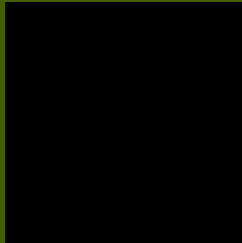
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 47.781, 117.044

Background



This preview shows how black text looks on a background with the CIELCh color 36, 47.781, 117.044.



This preview shows how white text looks on a background with the CIELCh color 36, 47.781, 117.044.

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

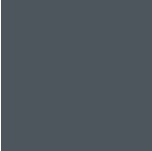
36, 47.781, 117.044

Protanopia

36, 43.959, 95.423

Deuteranopia

36, 38.927, 82.754



Tritanopia
36, 5.582, 250.443

Trichromacy



Original Color
36, 47.781, 117.044

Protanomaly
36, 44.636, 104.159

Deuteranomaly
36, 40.361, 97.558

Tritanomaly
36, 18.887, 127.040

Monochromacy



Original Color
36, 47.781, 117.044

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 20.662, 117.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 47.781, 117.044 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(69, 93, 1)` looks like.

```
.text, #text, p{  
    color:rgb(69, 93, 1)  
}
```

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(69, 93, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 93, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 47.781, 117.044 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(69, 93, 1) }
```

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

```
.border{ border-color:rgb(69, 93, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 93, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 93, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(69, 93, 1); box-shadow:4px  
4px 4px 4px rgb(69, 93, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 47.781, 117.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 93, 1) }
```

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

```
.background{ background-color: rgb(69, 93,  
1) }
```

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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