

Converting Colors

CIELCh(36, 46.064, 112.591)

Have a look what the booklet for
CIELCh(36, 46.064, 112.591)
contains.

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Color

CIELCh(36, 46.185, 112.795)

Conversions

Conversions Part 1

Format	Color
Hex	4B5B01
RGB	75, 91, 1
RGB Percent	29%, 36%, 0%
CMY	0.7053, 0.6426, 0.9955
CMYK	0.18, 0.00, 0.99, 0.64
HSL	71°, 98%, 18%
HSV	71°, 99%, 36%
XYZ	6.6707, 9.0082, 1.4201
YIQ	75.9560, 19.3540, -31.3820

Conversions

Conversions Part 2

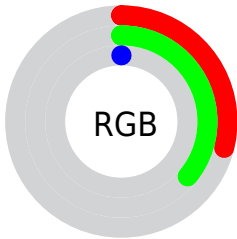
Format	Color
R_{YB}	1, 91, 17
Decimal	4938497
CIE Lab	36.00, -17.89, 42.58
CIE LCh	36, 46.185, 112.795
Yxy	9.0082, 0.3901, 0.5268
Android (android.graphics.Color)	4283128577 (0xFF4B5B01)
YUV	75.9560, -36.9533, -0.8384
Hunter-Lab	30.0136, -12.8509, 18.2043

Details

The CIELCh color **36, 46.185, 112.795** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **8, 61.087, 307.362**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 46.166, 112.618**, and **16, 28.058, 125.643** is the 20% darker color. If you saturate the color by 10%, you get **36, 46.555, 112.793**, and if you desaturate by 10%, it is **36, 43.435, 112.732**.

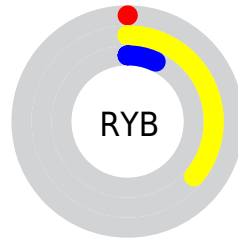
Distribution



Red (29%)

Green (36%)

Blue (0%)



Red (0%)

Yellow (36%)

Blue (7%)

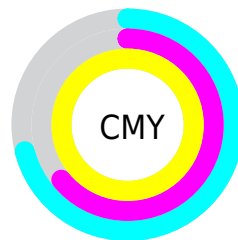


Cyan (18%)

Magenta (0%)

Yellow (99%)

Black (64%)



Cyan (71%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 46.185, 112.795 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, 46.185, 112.795 by changing the saturation by 10% instead.


 36, 46.185,
112.795


 36, 46.185,
112.795

 100, 46.185,
112.795


 26, 46.185,
112.795

 56, 46.185,
112.795


 16, 46.185,
112.795


 66, 46.185,
112.795

 6, 46.185, 112.795

 76, 46.185,
112.795

 0, 46.185, 112.795

 86, 46.185,
112.795

 96, 46.185,
112.795

■ 36, 46.185,
112.795

■ 36, 46.185,
112.795

■ 36, 46.555,
112.793

■ 36, 43.435,
112.732

■ 36, 40.306,
112.746

■ 37, 36.341,
113.004

■ 37, 31.764,
113.435

■ 37, 26.768,
113.980

■ 37, 21.499,
114.594

■ 38, 16.057,
115.245

■ 38, 10.512,

115.909

■ 38, 4.910, 116.570

Harmonies

Complementary

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



36, 46.185, 112.795



8, 61.087, 307.362

Rectangle

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



36, 46.185, 112.795



36, 46.185, 162.795



36, 46.185, 292.795



36, 46.185, 342.795

Sweetspot

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



36, 46.185, 112.797



48, 20.613, 115.101



18, 42.841, 39.867



24, 13.899, 114.931



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, 46.185, 112.797



46, 55.671, 113.081



34, 52.927, 131.531



19, 3.167, 116.563



43, 53.047, 113.010



88, 93.722, 113.629

Inverse Universe

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



8, 61.087, 307.362



12, 74.170, 307.343



14, 56.082, 317.025



17, 3.226, 297.736



11, 70.638, 307.396



31, 125.268, 306.986

Previews

White Background



This preview shows how the CIELCh color 36, 46.185, 112.795 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, 46.185, 112.795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

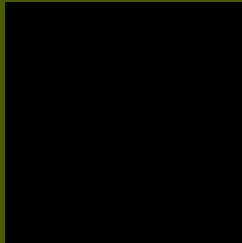
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 46.185, 112.795

Background



This preview shows how black text looks on a background with the CIELCh color 36, 46.185, 112.795.



This preview shows how white text looks on a background with the CIELCh color 36, 46.185, 112.795.

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

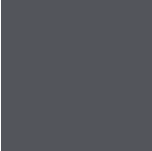
36, 46.185, 112.795

Protanopia

36, 43.959, 95.423

Deuteranopia

36, 39.296, 82.880



Tritanopia
36, 3.800, 278.255

Trichromacy



Original Color
36, 46.185, 112.795

Protanomaly
36, 44.268, 102.190

Deuteranomaly
36, 40.180, 95.302

Tritanomaly
36, 18.024, 117.628

Monochromacy



Original Color
36, 46.185, 112.795

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 20.459, 114.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 46.185, 112.795 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(75, 91, 1)` looks like.

```
.text, #text, p{  
    color:rgb(75, 91, 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(75, 91, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 91, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 46.185, 112.795 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(75, 91, 1) }
```

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

```
.border{ border-color:rgb(75, 91, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 91, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 91, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 91, 1); box-shadow:4px  
4px 4px 4px rgb(75, 91, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 46.185, 112.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 91, 1) }
```

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

```
.background{ background-color: rgb(75, 91,  
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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