

Converting Colors

CIELCh(36, 18.457, 128.300)

Have a look what the booklet for
CIELCh(36, 18.457, 128.300)
contains.

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Color

CIELCh(36, 18.288, 127.724)

Conversions

Conversions Part 1

Format	Color
Hex	4B593D
RGB	75, 89, 61
RGB Percent	29%, 35%, 24%
CMY	0.7053, 0.6504, 0.7603
CMYK	0.16, 0.00, 0.31, 0.65
HSL	90°, 19%, 29%
HSV	90°, 31%, 35%
XYZ	7.3426, 9.0082, 5.7856
YIQ	81.6220, 0.6440, -11.6760

Conversions

Conversions Part 2

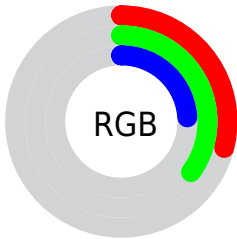
Format	Color
RYB	61, 89, 75
Decimal	4938045
CIELab	36.00, -11.19, 14.47
CIELCh	36, 18.288, 127.724
Yxy	9.0082, 0.3317, 0.4069
Android (android.graphics.Color)	4283128125 (0xFF4B593D)
YUV	81.6220, -10.1666, -5.8075
Hunter-Lab	30.0136, -8.8550, 9.5804

Details

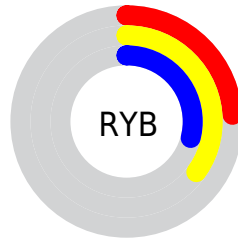
The CIELCh color **36, 18.288, 127.724** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **28, 19.042, 310.472**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 18.134, 128.118**, and **16, 18.224, 127.657** is the 20% darker color. If you saturate the color by 10%, you get **35, 23.996, 127.281**, and if you desaturate by 10%, it is **37, 12.490, 128.175**.

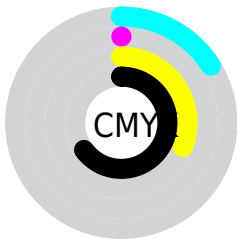
Distribution



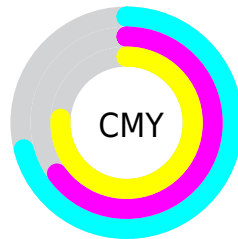
- Red (29%)
- Green (35%)
- Blue (24%)



- Red (24%)
- Yellow (35%)
- Blue (29%)



- Cyan (16%)
- Magenta (0%)
- Yellow (31%)
- Black (65%)





- Cyan (71%)
- Magenta (65%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 18.288, 127.724 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, 18.288, 127.724 by changing the saturation by 10% instead.


 36, 18.288,
127.724


 36, 18.288,
127.724

 100, 18.288,
127.724


 26, 18.288,
127.724

 56, 18.288,
127.724


 16, 18.288,
127.724


 66, 18.288,
127.724

 6, 18.288, 127.724

 76, 18.288,
127.724

 0, 18.288, 127.724

 86, 18.288,
127.724

 96, 18.288,
127.724

■ 36, 18.288,
127.724

■ 36, 18.288,
127.724

■ 35, 23.996,
127.281

■ 37, 12.490,
128.175

■ 35, 29.533,
126.867

■ 37, 6.654, 128.613

■ 38, 0.821, 129.093

■ 35, 34.791,
126.528

■ 38, 4.981, 309.381

■ 34, 39.620,
126.329

■ 39, 10.730,
309.738

■ 34, 43.825,
126.355

■ 40, 16.411,
310.059

■ 34, 47.233,
126.681

■ 41, 22.014,
310.349

■ 33, 50.096,
126.832

■ 42, 27.530,
310.611

■ 42, 32.955,
310.845

Harmonies

Complementary

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



36, 18.288, 127.724



28, 19.042, 310.472

Rectangle

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



36, 18.288, 127.724



36, 18.288, 177.724



36, 18.288, 307.724



36, 18.288, 357.724

Sweetspot

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



36, 18.289, 127.726



48, 6.455, 128.705



33, 11.086, 71.823



24, 4.522, 128.662



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, 18.289, 127.726



46, 27.146, 127.378



35, 21.254, 142.437



17, 3.184, 128.728



40, 57.161, 127.216



83, 102.672, 128.294

Inverse Universe

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



28, 19.042, 310.472



34, 28.579, 310.860



30, 21.253, 326.008



16, 3.223, 309.414



15, 65.559, 312.465



37, 117.347, 311.726

Previews

White Background



This preview shows how the CIE LCh color 36, 18.288, 127.724 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, 18.288, 127.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

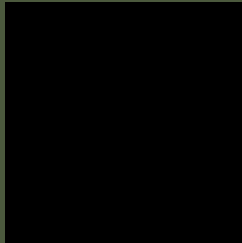
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 18.288, 127.724

Background



This preview shows how black text looks on a background with the CIELCh color 36, 18.288, 127.724.



This preview shows how white text looks on a background with the CIELCh color 36, 18.288, 127.724.

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, 18.288, 127.724

Protanopia

36, 15.747, 95.383

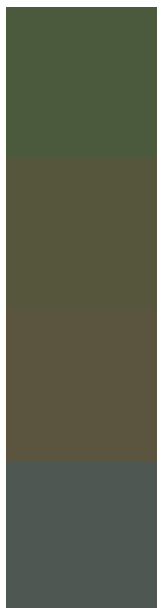
Deuteranopia

36, 14.468, 69.711



Tritanopia
36, 4.761, 265.555

Trichromacy



Original Color
36, 18.288, 127.724

Protanomaly
36, 15.937, 109.180

Deuteranomaly
36, 13.962, 94.241

Tritanomaly
36, 5.380, 155.014

Monochromacy



Original Color
36, 18.288, 127.724

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 7.177, 126.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 18.288, 127.724 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, 89, 61)` looks like.

```
.text, #text, p{  
    color:rgb(75, 89, 61)  
}
```

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, 89, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 89, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 18.288, 127.724 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, 89, 61) }
```

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

```
.border{ border-color:rgb(75, 89, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 89, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 89, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 89, 61);  
box-shadow:4px 4px 4px 4px rgb(75, 89, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 18.288, 127.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 89, 61) }
```

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

```
.background{ background-color: rgb(75, 89,  
61) }
```

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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