

Converting Colors

CIELCh(36, 30.516, 116.909)

Have a look what the booklet for
CIELCh(36, 30.516, 116.909)
contains.

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Color

CIELCh(36, 30.802, 116.963)

Conversions

Conversions Part 1

Format	Color
Hex	4D5A27
RGB	77, 90, 39
RGB Percent	30%, 35%, 15%
CMY	0.6986, 0.6476, 0.8475
CMYK	0.14, 0.00, 0.57, 0.65
HSL	75°, 40%, 25%
HSV	75°, 57%, 35%
XYZ	7.0591, 9.0082, 3.2754
YIQ	80.2990, 8.6230, -18.6170

Conversions

Conversions Part 2

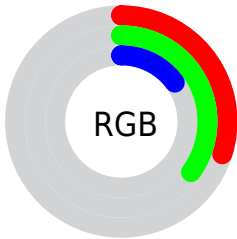
Format	Color
R _Y B	39, 90, 52
Decimal	5069351
CIE Lab	36.00, -13.97, 27.45
CIE LCh	36, 30.802, 116.963
Yxy	9.0082, 0.3650, 0.4657
Android (android.graphics.Color)	4283259431 (0xFF4D5A27)
YUV	80.2990, -20.3604, -2.8932
Hunter-Lab	30.0136, -10.5409, 14.5391

Details

The CIELCh color **36, 30.802, 116.963** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **20, 34.886, 304.549**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 30.680, 117.178**, and **16, 26.306, 119.156** is the 20% darker color. If you saturate the color by 10%, you get **36, 35.512, 116.596**, and if you desaturate by 10%, it is **36, 25.722, 117.445**.

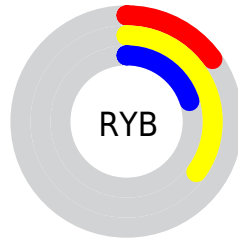
Distribution



Red (30%)

Green (35%)

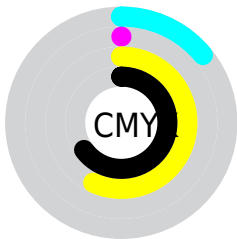
Blue (15%)



Red (15%)

Yellow (35%)

Blue (20%)

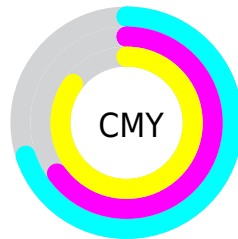


Cyan (14%)

Magenta (0%)

Yellow (57%)

Black (65%)



Cyan (70%)


Magenta (65%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 30.802, 116.963 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, 30.802, 116.963 by changing the saturation by 10% instead.


 36, 30.802,
116.963


 36, 30.802,
116.963

 100, 30.802,
116.963


 26, 30.802,
116.963

 56, 30.802,
116.963


 16, 30.802,
116.963


 66, 30.802,
116.963

 6, 30.802, 116.963

 76, 30.802,
116.963

 0, 30.802, 116.963

 86, 30.802,
116.963

 96, 30.802,
116.963

■ 36, 30.802,
116.963

■ 36, 30.802,
116.963

■ 36, 35.512,
116.596

■ 36, 25.722,
117.445

■ 35, 39.672,
116.404

■ 37, 20.401,
117.989

■ 35, 43.067,
116.467

■ 37, 14.932,
118.564

■ 35, 45.911,
116.685

■ 37, 9.376, 119.148

■ 35, 46.898,
116.712

■ 38, 3.777, 119.726

■ 38, 1.834, 300.270

■ 39, 7.437, 300.812

■ 39, 13.013,
301.319

■ 40, 18.552,

Harmonies

Complementary

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



36, 30.802, 116.963



20, 34.886, 304.549

Rectangle

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



36, 30.802, 116.963



36, 30.802, 166.963



36, 30.802, 296.963



36, 30.802, 346.963

Sweetspot

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



36, 30.803, 116.965



48, 11.856, 119.100



26, 21.989, 44.364



24, 7.849, 119.036



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, 30.803, 116.965



46, 44.664, 116.506



34, 35.055, 134.445



19, 3.195, 119.605



43, 53.999, 117.023



87, 95.596, 117.840

Inverse Universe

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



20, 34.886, 304.549



22, 52.630, 305.872



23, 36.055, 319.446



17, 3.252, 300.618



12, 69.861, 308.191



32, 124.031, 307.664

Previews

White Background



This preview shows how the CIELCh color 36, 30.802, 116.963 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, 30.802, 116.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

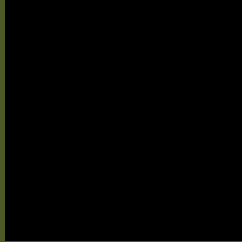
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 30.802, 116.963

Background



This preview shows how black text looks on a background with the CIELCh color 36, 30.802, 116.963.



This preview shows how white text looks on a background with the CIELCh color 36, 30.802, 116.963.

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, 30.802, 116.963

Protanopia

36, 29.054, 96.393

Deuteranopia

36, 27.235, 80.787



Tritanopia
36, 4.365, 285.482

Trichromacy



Original Color
36, 30.802, 116.963

Protanomaly
36, 29.132, 104.326

Deuteranomaly
36, 27.018, 95.005

Tritanomaly
36, 8.939, 123.150

Monochromacy



Original Color
36, 30.802, 116.963

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 11.977, 119.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 30.802, 116.963 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(77, 90, 39)` looks like.

```
.text, #text, p{  
    color:rgb(77, 90, 39)  
}
```

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(77, 90, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 90, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 30.802, 116.963 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(77, 90, 39) }
```

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

```
.border{ border-color:rgb(77, 90, 39) }
```

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

Here you see how a box with a 4 pixel rgb(77, 90, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 90, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 90, 39);  
box-shadow:4px 4px 4px 4px rgb(77, 90, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 30.802, 116.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 90, 39) }
```

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

```
.background{ background-color: rgb(77, 90,  
39) }
```

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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