

Converting Colors

CIELCh(36, 16.421, 133.536)

Have a look what the booklet for
CIELCh(36, 16.421, 133.536)
contains.

CIELCh(36, 16.421, 133.536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 16.421, 133.536)

Conversions

Conversions Part 1

Format	Color
Hex	495941
RGB	73, 89, 65
RGB Percent	29%, 35%, 25%
CMY	0.7126, 0.6498, 0.7440
CMYK	0.18, 0.00, 0.27, 0.65
HSL	100°, 16%, 30%
HSV	100°, 27%, 35%
XYZ	7.3301, 9.0082, 6.3971
YIQ	81.4800, -1.8320, -10.8560

Conversions

Conversions Part 2

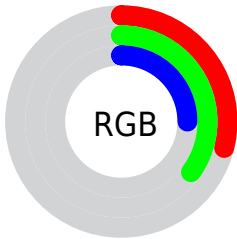
Format	Color
RYB	65, 89, 81
Decimal	4806977
CIELab	36.00, -11.31, 11.90
CIElCh	36, 16.421, 133.536
Yxy	9.0082, 0.3224, 0.3962
Android (android.graphics.Color)	4282997057 (0xFF495941)
YUV	81.4800, -8.1246, -7.4370
Hunter-Lab	30.0136, -8.9296, 8.3723

Details

The CIELCh color **36, 16.421, 133.536** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **30, 16.772, 315.723**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 16.369, 133.462**, and **16, 16.094, 132.774** is the 20% darker color. If you saturate the color by 10%, you get **35, 22.482, 133.054**, and if you desaturate by 10%, it is **37, 10.306, 133.995**.

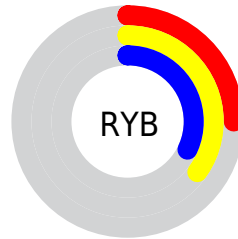
Distribution



Red (29%)

Green (35%)

Blue (25%)



Red (25%)

Yellow (35%)

Blue (32%)

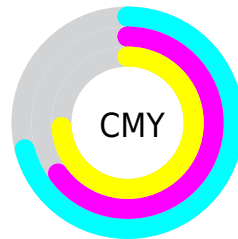


Cyan (18%)

Magenta (0%)

Yellow (27%)

Black (65%)



Cyan (71%)


Magenta (65%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 16.421, 133.536 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, 16.421, 133.536 by changing the saturation by 10% instead.


 36, 16.421,
133.536


 36, 16.421,
133.536

 100, 16.421,
133.536


 26, 16.421,
133.536

 56, 16.421,
133.536


 16, 16.421,
133.536


 66, 16.421,
133.536

 6, 16.421, 133.536

 76, 16.421,
133.536

 0, 16.421, 133.536

 86, 16.421,
133.536

 96, 16.421,
133.536

■ 36, 16.421,
133.536

■ 36, 16.421,
133.536

■ 35, 22.482,
133.054

■ 37, 10.306,
133.995

■ 35, 28.410,
132.562

■ 37, 4.189, 134.426

■ 38, 1.887, 314.730

■ 34, 34.102,
132.094

■ 39, 7.893, 315.106

■ 34, 39.415,
131.699

■ 40, 13.807,
315.410

■ 34, 44.166,
131.456

■ 41, 19.617,
315.676

■ 33, 48.133,
131.463

■ 42, 25.311,
315.908

■ 33, 51.516,
131.531

■ 43, 30.884,
316.110

■ 33, 52.601,

131.459

■ 44, 36.335,
316.286

Harmonies

Complementary

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



36, 16.421, 133.536



30, 16.772, 315.723

Rectangle

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



36, 16.421, 133.536



36, 16.421, 183.536



36, 16.421, 313.536



36, 16.421, 3.536

Sweetspot

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



36, 16.422, 133.537



49, 6.092, 134.367



35, 10.475, 86.580



24, 4.288, 134.321



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, 16.422, 133.537



47, 24.443, 133.241



36, 16.421, 147.090



18, 3.487, 134.342



40, 60.997, 131.833



83, 108.639, 132.714

Inverse Universe

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



30, 16.772, 315.723



38, 25.086, 315.975



31, 16.464, 330.340



17, 3.516, 314.988



18, 64.525, 316.801



43, 114.187, 316.172

Previews

White Background



This preview shows how the CIELCh color 36, 16.421, 133.536 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, 16.421, 133.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

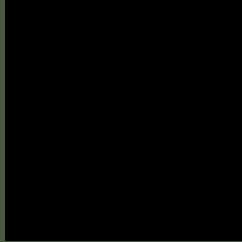
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 16.421, 133.536

Background



This preview shows how black text looks on a background with the CIELCh color 36, 16.421, 133.536.



This preview shows how white text looks on a background with the CIELCh color 36, 16.421, 133.536.

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](#).

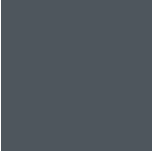
Dichromacy



Original Color
36, 16.421, 133.536

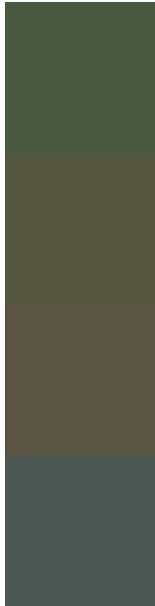
Protanopia
36, 13.366, 93.773

Deuteranopia
36, 12.189, 64.991



Tritanopia
36, 5.345, 253.738

Trichromacy



Original Color
36, 16.421, 133.536

Protanomaly
36, 13.521, 109.867

Deuteranomaly
36, 11.458, 94.254

Tritanomaly
36, 5.287, 170.688

Monochromacy



Original Color
36, 16.421, 133.536

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 6.188, 134.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 16.421, 133.536 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(73, 89, 65)` looks like.

```
.text, #text, p{  
    color:rgb(73, 89, 65)  
}
```

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(73, 89, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 89, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 16.421, 133.536 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(73, 89, 65) }
```

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

```
.border{ border-color:rgb(73, 89, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 89, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 89, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 89, 65);  
box-shadow:4px 4px 4px 4px rgb(73, 89, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 16.421, 133.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 89, 65) }
```

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

```
.background{ background-color: rgb(73, 89,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor