

Converting Colors

CIELCh(36, 10.580, 108.395)

Have a look what the booklet for
CIELCh(36, 10.580, 108.395)
contains.

CIELCh(36, 10.464, 108.427)	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, 10.464, 108.427)

Conversions

Conversions Part 1

Format	Color
Hex	565645
RGB	86, 86, 69
RGB Percent	34%, 34%, 27%
CMY	0.6637, 0.6637, 0.7304
CMYK	0.00, 0.00, 0.20, 0.66
HSL	60°, 11%, 30%
HSV	60°, 20%, 34%
XYZ	8.1885, 9.0082, 6.8976
YIQ	84.0620, 5.4570, -5.2870

Conversions

Conversions Part 2

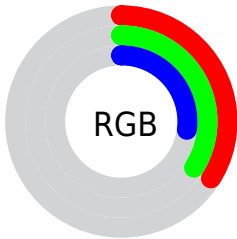
Format	Color
R_{YB}	69, 86, 69
Decimal	5658181
CIE Lab	36.00, -3.31, 9.93
CIE LCh	36, 10.464, 108.427
Yxy	9.0082, 0.3399, 0.3739
Android (android.graphics.Color)	4283848261 (0xFF565645)
YUV	84.0620, -7.4256, 1.6996
Hunter-Lab	30.0136, -3.8243, 7.3837

Details

The CIELCh color **36, 10.464, 108.427** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **30, 10.910, 292.202**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 10.800, 108.875**, and **16, 10.346, 107.370** is the 20% darker color. If you saturate the color by 10%, you get **36, 15.675, 107.546**, and if you desaturate by 10%, it is **36, 5.196, 109.317**.

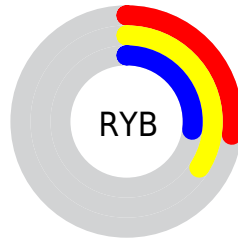
Distribution



Red (34%)

Green (34%)

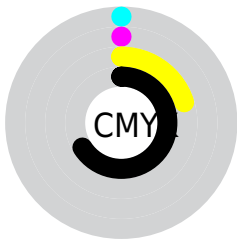
Blue (27%)



Red (27%)

Yellow (34%)

Blue (27%)

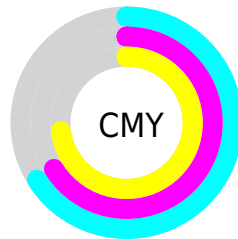


Cyan (0%)

Magenta (0%)

Yellow (20%)

Black (66%)



Cyan (66%)


Magenta (66%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 10.464, 108.427 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, 10.464, 108.427 by changing the saturation by 10% instead.


 36, 10.464,
108.427


 36, 10.464,
108.427

 100, 10.464,
108.427


 26, 10.464,
108.427

 56, 10.464,
108.427


 16, 10.464,
108.427


 66, 10.464,
108.427

 6, 10.464, 108.427

 76, 10.464,
108.427

 0, 10.464, 108.427

 86, 10.464,
108.427

 96, 10.464,
108.427

■ 36, 10.464,
108.427

■ 36, 10.464,
108.427

■ 36, 15.675,
107.546

■ 36, 5.196, 109.317

■ 36, 20.780,
106.675

■ 36, 0.102, 290.543

■ 36, 25.714,
105.835

■ 37, 5.409, 291.068

■ 35, 30.374,
105.049

■ 37, 10.709,
291.900

■ 35, 34.618,
104.344

■ 37, 15.994,
292.705

■ 35, 38.256,
103.749

■ 38, 21.254,
293.477

■ 35, 41.090,
103.295

■ 38, 26.485,
294.214

■ 35, 43.776,

■ 39, 31.681,
294.914

102.871

■ 39, 36.838,
295.578

■ 35, 43.828,
102.863

Harmonies

Complementary

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



36, 10.464, 108.427



30, 10.910, 292.202

Rectangle

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



36, 10.464, 108.427



36, 10.464, 158.427



36, 10.464, 288.427



36, 10.464, 338.427

Sweetspot

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



36, 10.465, 108.432



47, 3.964, 109.632



31, 7.767, 20.660



23, 2.601, 109.605



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



36, 10.465, 108.432



47, 15.790, 107.988



35, 11.191, 128.250



18, 2.989, 109.407



44, 51.183, 102.864



90, 90.985, 102.864

Inverse Universe

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



30, 10.910, 292.202



37, 16.653, 292.813



31, 11.471, 309.908



16, 3.047, 291.012



10, 70.673, 306.288



29, 125.634, 306.288

Previews

White Background



This preview shows how the CIELCh color 36, 10.464, 108.427 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, 10.464, 108.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

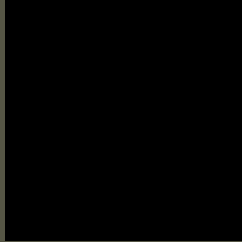
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

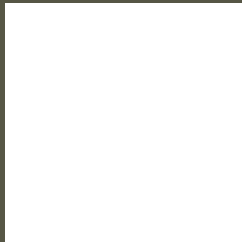
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 10.464, 108.427

Background



This preview shows how black text looks on a background with the CIELCh color 36, 10.464, 108.427.

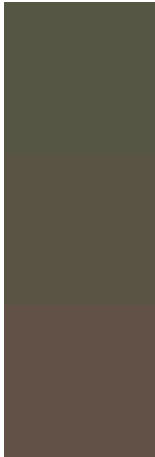


This preview shows how white text looks on a background with the CIELCh color 36, 10.464, 108.427.

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, 10.464, 108.427

Protanopia

36, 10.265, 92.904

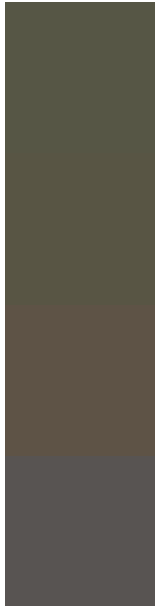
Deuteranopia

36, 10.477, 60.395



Tritanopia
36, 4.532, 324.750

Trichromacy



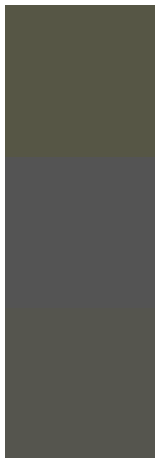
Original Color
36, 10.464, 108.427

Protanomaly
36, 10.568, 100.939

Deuteranomaly
36, 9.528, 76.755

Tritanomaly
36, 2.124, 55.076

Monochromacy



Original Color
36, 10.464, 108.427

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 4.327, 109.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 10.464, 108.427 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(86, 86, 69)` looks like.

```
.text, #text, p{  
    color:rgb(86, 86, 69)  
}
```

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(86, 86, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 86, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 10.464, 108.427 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(86, 86, 69) }
```

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

```
.border{ border-color:rgb(86, 86, 69) }
```

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

Here you see how a box with a 4 pixel rgb(86, 86, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 86, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 86, 69);  
box-shadow:4px 4px 4px 4px rgb(86, 86, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 10.464, 108.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 86, 69) }
```

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

```
.background{ background-color: rgb(86, 86,  
69) }
```

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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