

Converting Colors

CIELCh(36, 13.512, 101.809)

Have a look what the booklet for
CIELCh(36, 13.512, 101.809)
contains.

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Color

CIELCh(36, 13.604, 101.993)

Conversions

Conversions Part 1

Format	Color
Hex	58553F
RGB	88, 85, 63
RGB Percent	35%, 33%, 25%
CMY	0.6535, 0.6653, 0.7516
CMYK	0.00, 0.03, 0.28, 0.65
HSL	53°, 16%, 30%
HSV	53°, 28%, 35%
XYZ	8.2421, 9.0082, 6.0571
YIQ	83.3890, 8.8500, -6.2060

Conversions

Conversions Part 2

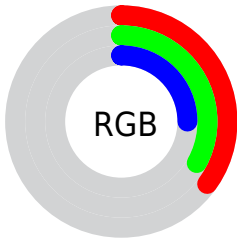
Format	Color
R_{YB}	66, 88, 63
Decimal	5788991
CIE _{Lab}	36.00, -2.83, 13.31
CIE _{LCh}	36, 13.604, 101.993
Yxy	9.0082, 0.3536, 0.3865
Android (android.graphics.Color)	4283979071 (0xFF58553F)
YUV	83.3890, -10.0518, 4.0438
Hunter-Lab	30.0136, -3.5055, 9.0441

Details

The CIELCh color **36, 13.604, 101.993** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **29, 14.228, 288.174**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 13.696, 103.244**, and **16, 13.767, 101.818** is the 20% darker color. If you saturate the color by 10%, you get **35, 18.360, 100.980**, and if you desaturate by 10%, it is **37, 8.805, 103.005**.

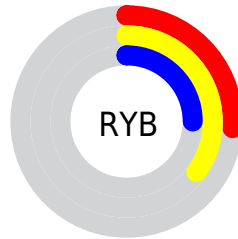
Distribution



Red (35%)

Green (33%)

Blue (25%)



Red (26%)

Yellow (35%)

Blue (25%)

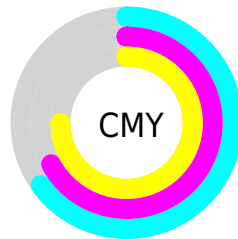


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (65%)



Cyan (65%)


Magenta (67%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 13.604, 101.993 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, 13.604, 101.993 by changing the saturation by 10% instead.


 36, 13.604,
101.993


 36, 13.604,
101.993

 100, 13.604,
101.993


 26, 13.604,
101.993

 56, 13.604,
101.993


 16, 13.604,
101.993


 66, 13.604,
101.993

 6, 13.604, 101.993

 76, 13.604,
101.993

 0, 13.604, 101.993

 86, 13.604,
101.993

 96, 13.604,
101.993

■ 36, 13.604,
101.993

■ 36, 13.604,
101.993

■ 35, 18.360,
100.980

■ 37, 8.805, 103.005

■ 35, 23.017, 99.962

■ 37, 3.992, 103.989

■ 35, 27.493, 98.956

■ 38, 0.814, 285.052

■ 34, 31.660, 97.975

■ 38, 5.599, 285.923

■ 34, 35.329, 97.028

■ 39, 10.358,
286.823

■ 33, 38.254, 96.124

■ 40, 15.084,
287.689

■ 33, 40.900, 95.264

■ 40, 19.775,
288.519

■ 33, 41.398, 95.124

■ 41, 24.430,
289.309

■ 42, 29.047,

290.060

Harmonies

Complementary

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



36, 13.604, 101.993



29, 14.228, 288.174

Rectangle

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



36, 13.604, 101.993



36, 13.604, 151.993



36, 13.604, 281.993



36, 13.604, 331.993

Sweetspot

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



36, 13.605, 101.998



48, 4.764, 103.994



30, 11.702, 11.126



24, 3.413, 103.889



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, 13.605, 101.998



46, 20.233, 101.307



36, 15.889, 122.911



17, 2.645, 103.947



40, 47.275, 94.914



83, 83.642, 94.320

Inverse Universe

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



29, 14.228, 288.174



35, 21.438, 289.207



29, 16.648, 305.810



16, 2.684, 285.721



12, 64.153, 303.546



31, 119.242, 304.833

Previews

White Background



This preview shows how the CIE LCh color 36, 13.604, 101.993 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, 13.604, 101.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

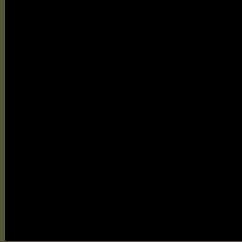
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

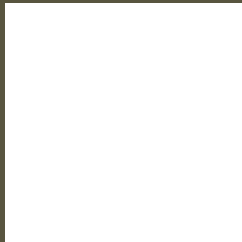
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 13.604, 101.993

Background



This preview shows how black text looks on a background with the CIELCh color 36, 13.604, 101.993.

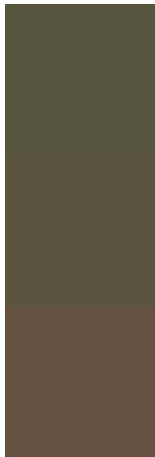


This preview shows how white text looks on a background with the CIELCh color 36, 13.604, 101.993.

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

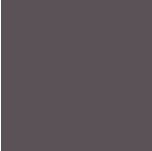
36, 13.604, 101.993

Protanopia

36, 13.826, 96.175

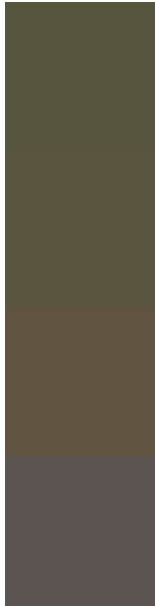
Deuteranopia

36, 13.970, 68.326



Tritanopia
36, 5.369, 336.272

Trichromacy



Original Color
36, 13.604, 101.993

Protanomaly
36, 13.735, 98.097

Deuteranomaly
36, 13.291, 80.781

Tritanomaly
36, 3.954, 58.374

Monochromacy



Original Color
36, 13.604, 101.993

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 5.026, 99.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 13.604, 101.993 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(88, 85, 63)` looks like.

```
.text, #text, p{  
    color:rgb(88, 85, 63)  
}
```

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(88, 85, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 85, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 13.604, 101.993 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(88, 85, 63) }
```

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

```
.border{ border-color:rgb(88, 85, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 85, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 85, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 85, 63);  
box-shadow:4px 4px 4px 4px rgb(88, 85, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 13.604, 101.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 85, 63) }
```

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

```
.background{ background-color: rgb(88, 85,  
63) }
```

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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