

Converting Colors

CIELCh(36, 21.568, 102.820)

Have a look what the booklet for
CIELCh(36, 21.568, 102.820)
contains.

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Color

CIELCh(36, 21.327, 102.701)

Conversions

Conversions Part 1

Format	Color
Hex	595633
RGB	89, 86, 51
RGB Percent	35%, 34%, 20%
CMY	0.6512, 0.6629, 0.8002
CMYK	0.00, 0.03, 0.43, 0.65
HSL	55°, 27%, 27%
HSV	55°, 43%, 35%
XYZ	8.0358, 9.0082, 4.4420
YIQ	82.9070, 13.0230, -10.2490

Conversions

Conversions Part 2

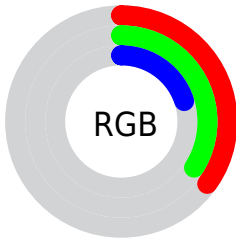
Format	Color
R_{YB}	54, 89, 51
Decimal	5854771
CIE Lab	36.00, -4.69, 20.81
CIE LCh	36, 21.327, 102.701
Yxy	9.0082, 0.3740, 0.4193
Android (android.graphics.Color)	4284044851 (0xFF595633)
YUV	82.9070, -15.7302, 5.3436
Hunter-Lab	30.0136, -4.7325, 12.2345

Details

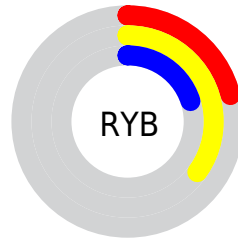
The CIELCh color **36, 21.327, 102.701** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 23.216, 292.333**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 21.543, 102.962**, and **16, 21.241, 101.968** is the 20% darker color. If you saturate the color by 10%, you get **36, 26.071, 101.755**, and if you desaturate by 10%, it is **36, 16.426, 103.671**.

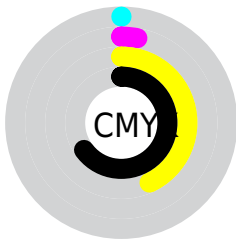
Distribution



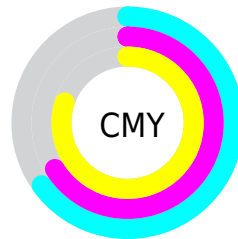
- Red (35%)
- Green (34%)
- Blue (20%)



- Red (21%)
- Yellow (35%)
- Blue (20%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (65%)





- Cyan (65%)
- Magenta (66%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 21.327, 102.701 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, 21.327, 102.701 by changing the saturation by 10% instead.


 36, 21.327,
102.701


 36, 21.327,
102.701

 100, 21.327,
102.701


 26, 21.327,
102.701

 56, 21.327,
102.701


 16, 21.327,
102.701


 66, 21.327,
102.701

 6, 21.327, 102.701

 76, 21.327,
102.701

 0, 21.327, 102.701

 86, 21.327,
102.701

 96, 21.327,
102.701

■ 36, 21.327,
102.701

■ 36, 21.327,
102.701

■ 36, 26.071,
101.755

■ 36, 16.426,
103.671

■ 35, 30.550,
100.838

■ 37, 11.438,
104.640

■ 35, 34.603, 99.973

■ 37, 6.407, 105.599

■ 35, 38.014, 99.177

■ 38, 1.364, 106.515

■ 34, 40.649, 98.460

■ 38, 3.675, 287.491

■ 34, 42.643, 97.954

■ 39, 8.698, 288.377

■ 39, 13.696,
289.235

■ 40, 18.664,
290.059

■ 40, 23.599,

Harmonies

Complementary

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



36, 21.327, 102.701



24, 23.216, 292.333

Rectangle

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



36, 21.327, 102.701



36, 21.327, 152.701



36, 21.327, 282.701



36, 21.327, 332.701

Sweetspot

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



36, 21.328, 102.704



48, 8.082, 105.533



26, 18.393, 16.963



24, 5.700, 105.387



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, 21.328, 102.704



46, 31.120, 101.764



36, 24.173, 124.150



17, 2.760, 105.973



41, 48.499, 97.830



85, 85.921, 97.466

Inverse Universe

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



24, 23.216, 292.333



28, 34.833, 294.162



25, 25.874, 308.360



16, 2.806, 287.685



11, 66.313, 304.506



30, 122.119, 305.504

Previews

White Background



This preview shows how the CIELCh color 36, 21.327, 102.701 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, 21.327, 102.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

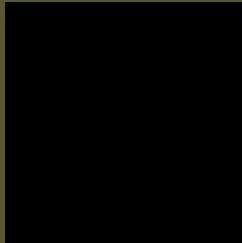
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

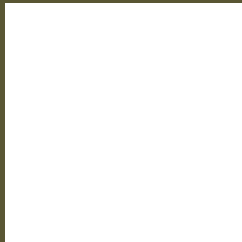
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 21.327, 102.701

Background



This preview shows how black text looks on a background with the CIELCh color 36, 21.327, 102.701.



This preview shows how white text looks on a background with the CIELCh color 36, 21.327, 102.701.

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, 21.327, 102.701

Protanopia

36, 21.692, 96.223

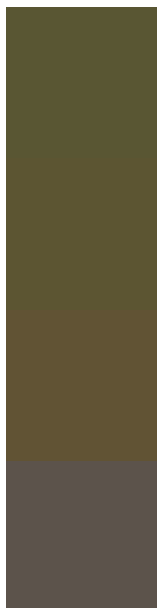
Deuteranopia

36, 20.831, 77.437



Tritanopia
36, 6.014, 342.125

Trichromacy



Original Color
36, 21.327, 102.701

Protanomaly
36, 21.602, 97.498

Deuteranomaly
36, 20.291, 87.255

Tritanomaly
36, 6.404, 70.115

Monochromacy



Original Color
36, 21.327, 102.701

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 8.053, 105.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 21.327, 102.701 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(89, 86, 51)` looks like.

```
.text, #text, p{  
    color:rgb(89, 86, 51)  
}
```

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(89, 86, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 86, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 21.327, 102.701 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(89, 86, 51) }
```

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

```
.border{ border-color:rgb(89, 86, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 86, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 86, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 86, 51);  
box-shadow:4px 4px 4px 4px rgb(89, 86, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 21.327, 102.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 86, 51) }
```

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

```
.background{ background-color: rgb(89, 86,  
51) }
```

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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