

Converting Colors

CIELCh(36, 13.627, 115.653)

Have a look what the booklet for
CIELCh(36, 13.627, 115.653)
contains.

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Color

CIELCh(36, 13.627, 115.653)

Conversions

Conversions Part 1

Format	Color
Hex	535741
RGB	83, 87, 65
RGB Percent	33%, 34%, 25%
CMY	0.6750, 0.6593, 0.7456
CMYK	0.05, 0.00, 0.25, 0.66
HSL	71°, 14%, 30%
HSV	71°, 25%, 34%
XYZ	7.9036, 9.0082, 6.3039
YIQ	83.2960, 4.6780, -7.6900

Conversions

Conversions Part 2

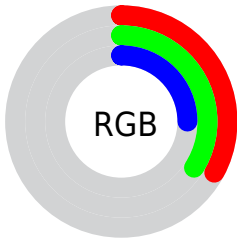
Format	Color
RYB	65, 87, 69
Decimal	5461825
CIELab	36.00, -5.90, 12.28
CIELCh	36, 13.627, 115.653
Yxy	9.0082, 0.3404, 0.3880
Android (android.graphics.Color)	4283651905 (0xFF535741)
YUV	83.2960, -9.0199, -0.2596
Hunter-Lab	30.0136, -5.5189, 8.5565

Details

The CIELCh color **36, 13.627, 115.653** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **29, 14.343, 299.200**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 13.729, 115.482**, and **16, 13.822, 115.400** is the 20% darker color. If you saturate the color by 10%, you get **36, 18.904, 115.007**, and if you desaturate by 10%, it is **36, 8.272, 116.312**.

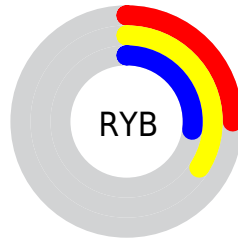
Distribution



 Red (33%)

 Green (34%)

 Blue (25%)




 Red (25%)

 Yellow (34%)

 Blue (27%)

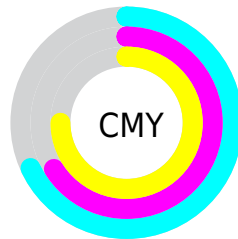



 Cyan (5%)


 Magenta (0%)

 Yellow (25%)

 Black (66%)



 Cyan (68%)


 Magenta (66%)


 Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 13.627, 115.653 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, 13.627, 115.653 by changing the saturation by 10% instead.


 36, 13.627,
115.653


 36, 13.627,
115.653

 100, 13.627,
115.653


 26, 13.627,
115.653

 56, 13.627,
115.653


 16, 13.627,
115.653


 66, 13.627,
115.653

 6, 13.627, 115.653

 76, 13.627,
115.653

 0, 13.627, 115.653

 86, 13.627,
115.653

 96, 13.627,
115.653

■ 36, 13.627,
115.653

■ 36, 13.627,
115.653

■ 36, 18.904,
115.007

■ 36, 8.272, 116.312

■ 35, 24.042,
114.385

■ 37, 2.874, 116.960

■ 35, 28.959,
113.818

■ 37, 2.538, 297.588

■ 35, 33.535,
113.346

■ 38, 13.332,
298.774

■ 35, 37.603,
113.022

■ 39, 18.690,
299.323

■ 35, 40.957,
112.912

■ 39, 24.008,
299.841

■ 34, 43.700,
112.972

■ 40, 29.282,
300.327

■ 34, 45.065,

■ 40, 34.506,

112.952

300.782

Harmonies

Complementary

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



36, 13.627, 115.653



29, 14.343, 299.200

Rectangle

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



36, 13.627, 115.653



36, 13.627, 165.653



36, 13.627, 295.653



36, 13.627, 345.653

Sweetspot

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



36, 13.628, 115.656



47, 5.338, 116.771



31, 8.884, 35.762



23, 3.753, 116.704



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, 13.628, 115.656



46, 19.884, 115.288



35, 15.113, 133.617



17, 3.019, 116.737



42, 52.209, 113.209



87, 93.045, 113.860

Inverse Universe

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



29, 14.343, 299.200



35, 21.199, 299.717



30, 15.415, 315.656



16, 3.074, 297.884



11, 69.414, 307.452



31, 124.186, 307.020

Previews

White Background



This preview shows how the CIELCh color 36, 13.627, 115.653 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, 13.627, 115.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

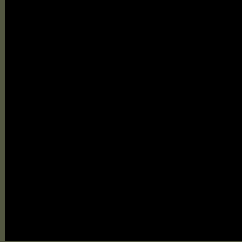
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

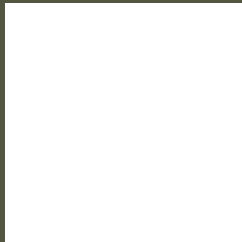
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 13.627, 115.653

Background



This preview shows how black text looks on a background with the CIELCh color 36, 13.627, 115.653.

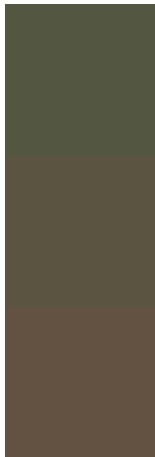


This preview shows how white text looks on a background with the CIELCh color 36, 13.627, 115.653.

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, 13.627, 115.653

Protanopia

36, 12.771, 93.251

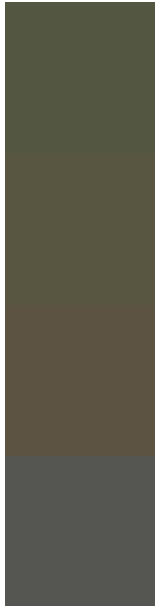
Deuteranopia

36, 12.666, 66.735



Tritanopia
36, 3.834, 303.377

Trichromacy



Original Color

36, 13.627, 115.653

Protanomaly

36, 12.998, 101.842

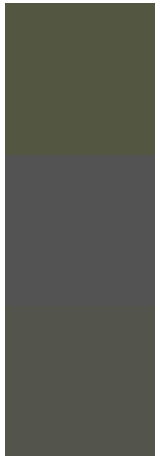
Deuteranomaly

36, 11.524, 84.556

Tritanomaly

36, 2.472, 109.753

Monochromacy



Original Color

36, 13.627, 115.653

Achromatopsia

35, 0.005, 296.813

Achromatomaly

35, 4.980, 114.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 13.627, 115.653 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(83, 87, 65)` looks like.

```
.text, #text, p{  
    color:rgb(83, 87, 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(83, 87, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 87, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 13.627, 115.653 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(83, 87, 65) }
```

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

```
.border{ border-color:rgb(83, 87, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 87, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 87, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 87, 65);  
box-shadow:4px 4px 4px 4px rgb(83, 87, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 13.627, 115.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 87, 65) }
```

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

```
.background{ background-color: rgb(83, 87,  
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](#).

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