

Converting Colors

CIELCh(36, 15.435, 157.524)

Have a look what the booklet for
CIELCh(36, 15.435, 157.524)
contains.

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Color

CIELCh(36, 15.444, 157.503)

Conversions

Conversions Part 1

Format	Color
Hex	3F5B4B
RGB	63, 91, 75
RGB Percent	25%, 36%, 29%
CMY	0.7536, 0.6438, 0.7066
CMYK	0.31, 0.00, 0.18, 0.64
HSL	146°, 18%, 30%
HSV	146°, 31%, 36%
XYZ	7.0287, 9.0082, 7.9939
YIQ	80.8040, -11.5520, -10.9120

Conversions

Conversions Part 2

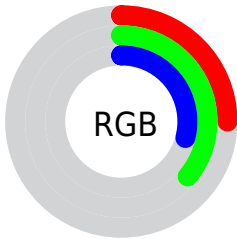
Format	Color
RYB	63, 83, 91
Decimal	4152139
CIELab	36.00, -14.27, 5.91
CIElCh	36, 15.444, 157.503
Yxy	9.0082, 0.2925, 0.3749
Android (android.graphics.Color)	4282342219 (0xFF3F5B4B)
YUV	80.8040, -2.8614, -15.6141
Hunter-Lab	30.0136, -10.7220, 5.2181

Details

The CIELCh color **36, 15.444, 157.503** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 15.820, 342.403**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 15.294, 158.507**, and **16, 15.361, 156.873** is the 20% darker color. If you saturate the color by 10%, you get **35, 20.310, 156.478**, and if you desaturate by 10%, it is **37, 10.465, 158.417**.

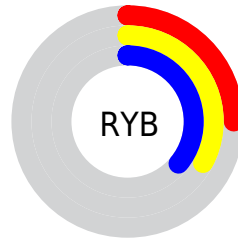
Distribution



Red (25%)

Green (36%)

Blue (29%)



Red (25%)

Yellow (33%)

Blue (36%)

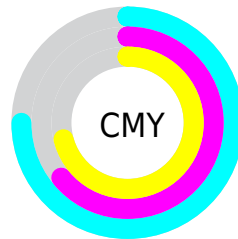


Cyan (31%)

Magenta (0%)

Yellow (18%)

Black (64%)



Cyan (75%)


Magenta (64%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 15.444, 157.503 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, 15.444, 157.503 by changing the saturation by 10% instead.


 36, 15.444,
157.503


 36, 15.444,
157.503

 100, 15.444,
157.503


 26, 15.444,
157.503

 56, 15.444,
157.503


 16, 15.444,
157.503


 66, 15.444,
157.503

 6, 15.444, 157.503

 76, 15.444,
157.503

 0, 15.444, 157.503

 86, 15.444,
157.503

 96, 15.444,
157.503

■ 36, 15.444,
157.503

■ 36, 15.444,
157.503

■ 35, 20.310,
156.478

■ 37, 10.465,
158.417

■ 35, 24.989,
155.324

■ 38, 5.435, 159.248

■ 34, 29.406,
154.021

■ 39, 0.408, 160.467

■ 39, 4.573, 340.555

■ 34, 33.490,
152.552

■ 41, 9.476, 341.184

■ 34, 37.182,
150.906

■ 42, 14.277,
341.746

■ 33, 40.451,
149.093

■ 43, 18.960,
342.262

■ 33, 43.297,
147.571

■ 44, 23.517,
342.740

■ 45, 27.942,

Harmonies

Complementary

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



36, 15.444, 157.503



30, 15.820, 342.403

Rectangle

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



36, 15.444, 157.503



36, 15.444, 207.503



36, 15.444, 337.503



36, 15.444, 27.503

Sweetspot

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



36, 15.445, 157.502



48, 5.578, 159.372



37, 17.865, 124.692



24, 3.838, 159.294



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, 15.445, 157.502



46, 22.781, 156.763



36, 11.127, 190.425



18, 2.837, 159.408



40, 50.018, 146.995



83, 91.134, 145.454

Inverse Universe

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



30, 15.820, 342.403



37, 23.438, 343.091



30, 13.087, 15.314



17, 2.861, 340.582



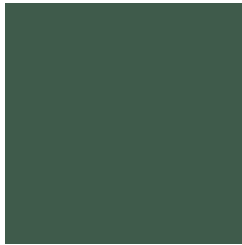
22, 46.752, 353.666



52, 81.563, 356.017

Previews

White Background



This preview shows how the CIELCh color 36, 15.444, 157.503 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 CIE LCh color 36, 15.444, 157.503 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, 15.444, 157.503

Background



This preview shows how black text looks on a background with the CIELCh color 36, 15.444, 157.503.

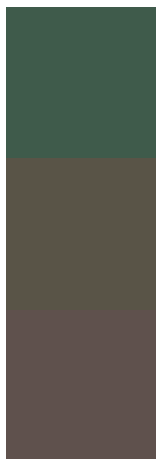


This preview shows how white text looks on a background with the CIELCh color 36, 15.444, 157.503.

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](#).

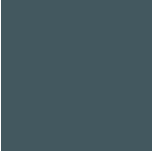
Dichromacy



Original Color
36, 15.444, 157.503

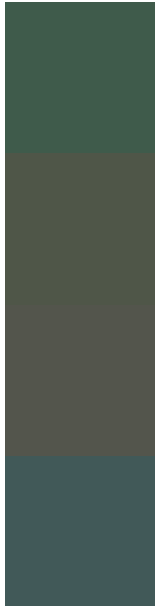
Protanopia
36, 8.351, 93.031

Deuteranopia
36, 6.764, 41.584



Tritanopia
36, 9.052, 227.358

Trichromacy



Original Color
36, 15.444, 157.503

Protanomaly
36, 9.214, 128.405

Deuteranomaly
36, 5.643, 118.221

Tritanomaly
36, 9.557, 194.390

Monochromacy



Original Color
36, 15.444, 157.503

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 6.038, 160.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 15.444, 157.503 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(63, 91, 75)` looks like.

```
.text, #text, p{  
    color:rgb(63, 91, 75)  
}
```

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(63, 91, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 91, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 15.444, 157.503 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(63, 91, 75) }
```

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

```
.border{ border-color:rgb(63, 91, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 91, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 91, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 91, 75);  
box-shadow:4px 4px 4px 4px rgb(63, 91, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 15.444, 157.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 91, 75) }
```

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

```
.background{ background-color: rgb(63, 91,  
75) }
```

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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