

Converting Colors

CIELCh(36, 12.945, 166.977)

Have a look what the booklet for
CIELCh(36, 12.945, 166.977)
contains.

CIELCh(36, 12.784, 168.584)	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, 12.784, 168.584)

Conversions

Conversions Part 1

Format	Color
Hex	3F5A50
RGB	63, 90, 80
RGB Percent	25%, 35%, 31%
CMY	0.7519, 0.6460, 0.6852
CMYK	0.30, 0.00, 0.11, 0.65
HSL	158°, 18%, 30%
HSV	158°, 30%, 35%
XYZ	7.2047, 9.0082, 9.0011
YIQ	80.7870, -12.8820, -8.8340

Conversions

Conversions Part 2

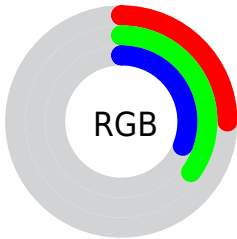
Format	Color
RYB	63, 80, 90
Decimal	4151888
CIELab	36.00, -12.53, 2.53
CIElCh	36, 12.784, 168.584
Yxy	9.0082, 0.2857, 0.3573
Android (android.graphics.Color)	4282341968 (0xFF3F5A50)
YUV	80.7870, -0.3880, -15.5992
Hunter-Lab	30.0136, -9.6751, 3.2284

Details

The CIELCh color **36, 12.784, 168.584** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 13.598, 354.132**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 12.877, 168.838**, and **16, 12.351, 169.689** is the 20% darker color. If you saturate the color by 10%, you get **35, 16.823, 167.511**, and if you desaturate by 10%, it is **37, 8.592, 169.566**.

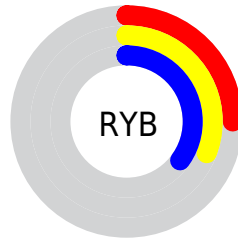
Distribution



Red (25%)

Green (35%)

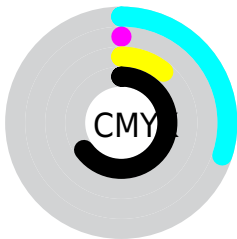
Blue (31%)



Red (25%)

Yellow (31%)

Blue (35%)

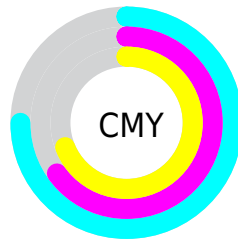


Cyan (30%)

Magenta (0%)

Yellow (11%)

Black (65%)



Cyan (75%)


Magenta (65%)

Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 12.784, 168.584 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, 12.784, 168.584 by changing the saturation by 10% instead.


 36, 12.784,
168.584


 36, 12.784,
168.584

 100, 12.784,
168.584


 26, 12.784,
168.584

 56, 12.784,
168.584


 16, 12.784,
168.584


 66, 12.784,
168.584

 6, 12.784, 168.584

 76, 12.784,
168.584

 0, 12.784, 168.584

 86, 12.784,
168.584

 96, 12.784,
168.584

■ 36, 12.784,
168.584

■ 36, 12.784,
168.584

■ 35, 16.823,
167.511

■ 37, 8.592, 169.566

■ 35, 20.645,
166.334

■ 38, 4.301, 170.494

■ 38, 0.038, 344.602

■ 34, 24.188,
165.031

■ 39, 4.383, 351.989

■ 34, 27.398,
163.581

■ 40, 8.701, 352.750

■ 41, 12.966,
353.452

■ 34, 30.233,
161.967

■ 42, 17.160,
354.113

■ 33, 32.676,
160.178

■ 44, 21.270,
354.741

■ 33, 34.988,
158.475

■ 45, 25.289,
355.341

■ 33, 35.007,

158.462

Harmonies

Complementary

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



36, 12.784, 168.584



30, 13.598, 354.132

Rectangle

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



36, 12.784, 168.584



36, 12.784, 218.584



36, 12.784, 348.584



36, 12.784, 38.584

Sweetspot

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



36, 12.785, 168.582



48, 4.842, 170.553



36, 18.166, 131.785



24, 3.330, 170.463



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, 12.785, 168.582



46, 18.905, 167.818



35, 9.428, 210.323



18, 2.463, 170.593



40, 40.530, 157.868



83, 73.438, 156.303

Inverse Universe

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



30, 13.598, 354.132



37, 20.418, 355.025



31, 11.453, 31.170



17, 2.510, 351.949



22, 45.548, 11.715



50, 81.042, 15.471

Previews

White Background



This preview shows how the CIELCh color 36, 12.784, 168.584 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, 12.784, 168.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

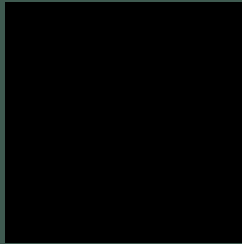
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 12.784, 168.584

Background



This preview shows how black text looks on a background with the CIELCh color 36, 12.784, 168.584.



This preview shows how white text looks on a background with the CIELCh color 36, 12.784, 168.584.

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

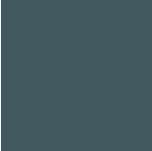
36, 12.784, 168.584

Protanopia

36, 4.673, 87.149

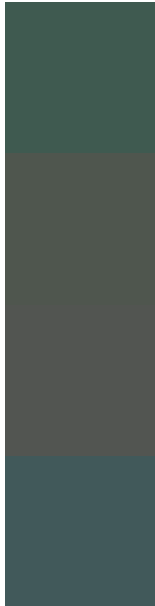
Deuteranopia

36, 4.819, 20.051



Tritanopia
36, 9.363, 226.285

Trichromacy



Original Color
36, 12.784, 168.584

Protanomaly
36, 5.837, 140.602

Deuteranomaly
36, 2.806, 137.148

Tritanomaly
36, 9.424, 201.986

Monochromacy



Original Color
36, 12.784, 168.584

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 4.272, 172.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 12.784, 168.584 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, 90, 80)` looks like.

```
.text, #text, p{  
    color:rgb(63, 90, 80)  
}
```

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, 90, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 90, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 12.784, 168.584 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, 90, 80) }
```

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

```
.border{ border-color:rgb(63, 90, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 90, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 90, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 90, 80);  
box-shadow:4px 4px 4px 4px rgb(63, 90, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 12.784, 168.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 90, 80) }
```

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

```
.background{ background-color: rgb(63, 90,  
80) }
```

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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