

Converting Colors

CIELCh(36, 21.006, 167.311)

Have a look what the booklet for
CIELCh(36, 21.006, 167.311)
contains.

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Color

CIELCh(36, 20.581, 167.832)

Conversions

Conversions Part 1

Format	Color
Hex	2F5D4D
RGB	47, 93, 77
RGB Percent	18%, 36%, 30%
CMY	0.8150, 0.6346, 0.6973
CMYK	0.49, 0.00, 0.17, 0.63
HSL	159°, 33%, 28%
HSV	159°, 49%, 37%
XYZ	6.4572, 9.0082, 8.4524
YIQ	77.4220, -22.2800, -14.7280

Conversions

Conversions Part 2

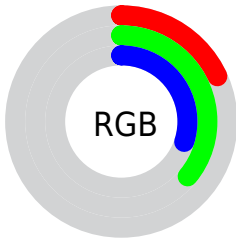
Format	Color
RYB	47, 75, 93
Decimal	3104077
CIELab	36.00, -20.12, 4.34
CIElCh	36, 20.581, 167.832
Yxy	9.0082, 0.2700, 0.3766
Android (android.graphics.Color)	4281294157 (0xFF2F5D4D)
YUV	77.4220, -0.2080, -26.6801
Hunter-Lab	30.0136, -14.1210, 4.3124




Details

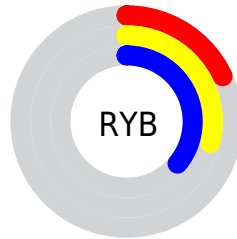
The CIELCh color $36, 20.581, 167.832$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $26, 23.028, 358.395$, and the grayscale version is $33, 0.005, 296.813$.




A 20% lighter version of the original color is $56, 20.842, 167.757$, and $16, 20.147, 166.364$ is the 20% darker color. If you saturate the color by 10%, you get $36, 24.130, 166.537$, and if you desaturate by 10%, it is $37, 16.742, 169.003$.

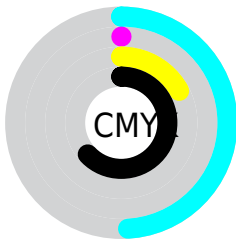
Distribution







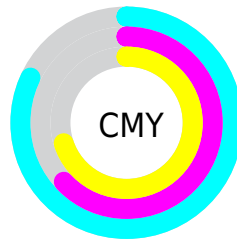
-  Red (18%)
-  Green (36%)
-  Blue (30%)






-  Red (18%)
-  Yellow (29%)
-  Blue (36%)



-  Cyan (49%)
-  Magenta (0%)
-  Yellow (17%)
-  Black (63%)





-  Cyan (82%)
-  Magenta (63%)
-  Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 20.581, 167.832 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, 20.581, 167.832 by changing the saturation by 10% instead.


 36, 20.581,
167.832


 36, 20.581,
167.832

 100, 20.581,
167.832


 26, 20.581,
167.832

 56, 20.581,
167.832


 16, 20.581,
167.832


 66, 20.581,
167.832

 6, 20.581, 167.832

 76, 20.581,
167.832

 0, 20.581, 167.832

 86, 20.581,
167.832

 96, 20.581,
167.832

■ 36, 20.581,
167.832

■ 36, 20.581,
167.832

■ 36, 24.130,
166.537

■ 37, 16.742,
169.003

■ 35, 27.333,
165.100

■ 37, 12.676,
170.072

■ 35, 30.147,
163.501

■ 38, 8.445, 171.058

■ 35, 32.554,
161.727

■ 39, 4.108, 171.994

■ 34, 34.788,
159.996

■ 40, 0.283, 351.834

■ 34, 34.931,
159.894

■ 41, 4.686, 353.502

■ 42, 9.067, 354.273

■ 43, 13.399,
354.987

■ 44, 17.662,
355.663

Harmonies

Complementary

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



36, 20.581, 167.832



26, 23.028, 358.395

Rectangle

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



36, 20.581, 167.832



36, 20.581, 217.832



36, 20.581, 347.832



36, 20.581, 37.832

Sweetspot

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



36, 20.581, 167.831



50, 8.211, 171.425



36, 30.751, 131.922



25, 5.545, 171.297



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 20.581, 167.831



46, 29.887, 166.326



34, 14.386, 215.323



18, 2.428, 172.046



40, 39.478, 159.410



83, 71.446, 157.862

Inverse Universe

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



26, 23.028, 358.395



32, 34.177, 0.547



27, 20.374, 35.315



17, 2.478, 353.412



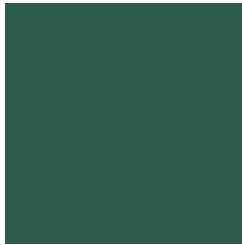
22, 45.756, 13.791



50, 81.673, 17.636

Previews

White Background



This preview shows how the CIELCh color 36, 20.581, 167.832 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, 20.581, 167.832 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, 20.581, 167.832

Background



This preview shows how black text looks on a background with the CIELCh color 36, 20.581, 167.832.



This preview shows how white text looks on a background with the CIELCh color 36, 20.581, 167.832.

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, 20.581, 167.832

Protanopia

36, 7.164, 90.681

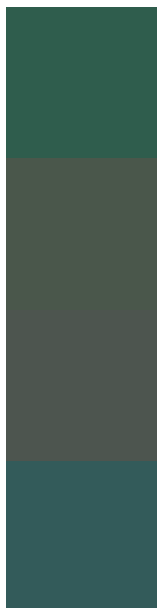
Deuteranopia

36, 5.785, 26.311



Tritanopia
36, 13.940, 218.909

Trichromacy



Original Color
36, 20.581, 167.832

Protanomaly
36, 9.378, 145.740

Deuteranomaly
35, 5.103, 151.795

Tritanomaly
36, 14.847, 195.046

Monochromacy



Original Color
36, 20.581, 167.832

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 8.123, 170.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 20.581, 167.832 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(47, 93, 77)` looks like.

```
.text, #text, p{  
    color:rgb(47, 93, 77)  
}
```

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(47, 93, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 93, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 20.581, 167.832 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(47, 93, 77) }
```

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

```
.border{ border-color:rgb(47, 93, 77) }
```

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

Here you see how a box with a 4 pixel rgb(47, 93, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 93, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 93, 77);  
box-shadow:4px 4px 4px 4px rgb(47, 93, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 20.581, 167.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 93, 77) }
```

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

```
.background{ background-color: rgb(47, 93,  
77) }
```

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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