

Converting Colors

CIELCh(35, 21.619, 164.619)

Have a look what the booklet for
CIELCh(35, 21.619, 164.619)
contains.

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Color

CIELCh(35, 21.385, 164.951)

Conversions

Conversions Part 1

Format	Color
Hex	2D5B49
RGB	45, 91, 73
RGB Percent	18%, 36%, 29%
CMY	0.8240, 0.6436, 0.7141
CMYK	0.51, 0.00, 0.20, 0.64
HSL	157°, 34%, 27%
HSV	157°, 51%, 36%
XYZ	6.0081, 8.4984, 7.6087
YIQ	75.1940, -21.6380, -15.3500

Conversions

Conversions Part 2

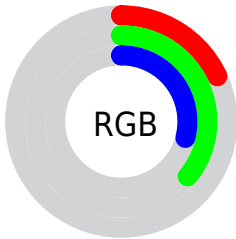
Format	Color
RYB	45, 74, 91
Decimal	2972489
CIELab	35.00, -20.65, 5.55
CIELCh	35, 21.385, 164.951
Yxy	8.4984, 0.2717, 0.3843
Android (android.graphics.Color)	4281162569 (0xFF2D5B49)
YUV	75.1940, -1.0816, -26.4801
Hunter-Lab	29.1520, -14.2277, 4.9316

Details

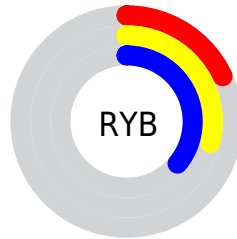
The CIELCh color **35, 21.385, 164.951** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 23.492, 355.572**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 20.956, 165.966**, and **15, 20.771, 162.526** is the 20% darker color. If you saturate the color by 10%, you get **35, 25.016, 163.629**, and if you desaturate by 10%, it is **36, 17.475, 166.140**.

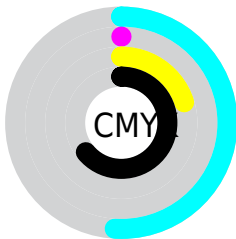
Distribution



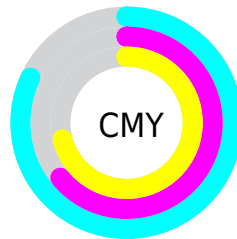
- Red (18%)
- Green (36%)
- Blue (29%)



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



- Cyan (51%)
- Magenta (0%)
- Yellow (20%)
- Black (64%)





- Cyan (82%)
- Magenta (64%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 21.385, 164.951 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 35, 21.385, 164.951 by changing the saturation by 10% instead.


 35, 21.385,
164.951


 35, 21.385,
164.951

 100, 21.385,
164.951


 25, 21.385,
164.951

 55, 21.385,
164.951


 15, 21.385,
164.951


 65, 21.385,
164.951

 5, 21.385, 164.951

 75, 21.385,
164.951

 0, 21.385, 164.951

 85, 21.385,
164.951

 95, 21.385,
164.951

■ 35, 21.385,
164.951

■ 35, 21.385,
164.951

■ 35, 25.016,
163.629

■ 36, 17.475,
166.140

■ 34, 28.311,
162.156

■ 36, 13.347,
167.219

■ 34, 31.227,
160.514

■ 37, 9.066, 168.207

■ 34, 33.752,
158.698

■ 38, 4.689, 169.131

■ 39, 0.267, 170.851

■ 33, 36.018,
157.093

■ 40, 4.157, 350.621

■ 41, 8.549, 351.377

■ 42, 12.885,
352.069

■ 43, 17.144,
352.720

Harmonies

Complementary

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



35, 21.385, 164.951



25, 23.492, 355.572

Rectangle

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



35, 21.385, 164.951



35, 21.385, 214.951



35, 21.385, 344.951



35, 21.385, 34.951

Sweetspot

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



35, 21.385, 164.950



48, 8.165, 168.687



35, 30.402, 130.294



24, 5.511, 168.567



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



35, 21.385, 164.950



44, 30.876, 163.307



34, 14.903, 208.778



18, 2.497, 169.293



40, 41.506, 156.516



83, 75.283, 154.939

Inverse Universe

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



25, 23.492, 355.572



30, 34.452, 357.774



26, 21.296, 31.428



17, 2.541, 350.636



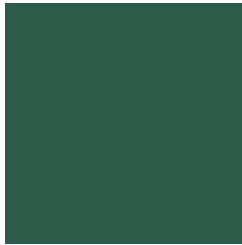
22, 45.419, 9.796



50, 80.582, 13.453

Previews

White Background



This preview shows how the CIELCh color 35, 21.385, 164.951 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 35, 21.385, 164.951 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 35, 21.385, 164.951

Background



This preview shows how black text looks on a background with the CIELCh color 35, 21.385, 164.951.



This preview shows how white text looks on a background with the CIELCh color 35, 21.385, 164.951.

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
35, 21.385, 164.951

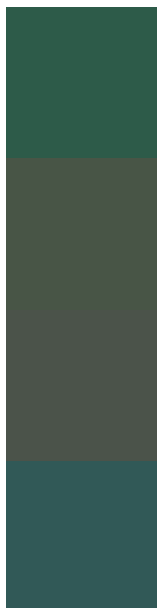
Protanopia
35, 8.986, 93.901

Deuteranopia
35, 6.371, 43.042



Tritanopia
35, 13.828, 216.355

Trichromacy



Original Color
35, 21.385, 164.951

Protanomaly
35, 10.982, 139.935

Deuteranomaly
34, 6.642, 140.913

Tritanomaly
35, 14.991, 192.591

Monochromacy



Original Color
35, 21.385, 164.951

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 8.516, 166.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 21.385, 164.951 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(45, 91, 73)` looks like.

```
.text, #text, p{  
    color:rgb(45, 91, 73)  
}
```

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(45, 91, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 91, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 21.385, 164.951 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(45, 91, 73) }
```

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

```
.border{ border-color:rgb(45, 91, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 91, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 91, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 91, 73);  
box-shadow:4px 4px 4px 4px rgb(45, 91, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 21.385, 164.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 91, 73) }
```

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

```
.background{ background-color: rgb(45, 91,  
73) }
```

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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