

Converting Colors

CIELCh(35, 18.693, 252.288)

Have a look what the booklet for
CIELCh(35, 18.693, 252.288)
contains.

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Color

CIELCh(35, 18.693, 252.288)

Conversions

Conversions Part 1

Format	Color
Hex	31566E
RGB	49, 86, 110
RGB Percent	19%, 34%, 43%
CMY	0.8065, 0.6615, 0.5674
CMYK	0.55, 0.22, 0.00, 0.57
HSL	204°, 38%, 31%
HSV	204°, 55%, 43%
XYZ	7.4666, 8.4984, 16.0902
YIQ	77.6730, -29.7560, -0.3800

Conversions

Conversions Part 2

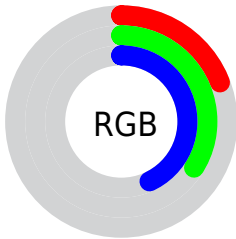
Format	Color
R _Y B	49, 72, 110
Decimal	3233390
CIE Lab	35.00, -5.69, -17.81
CIE LCh	35, 18.693, 252.288
Yxy	8.4984, 0.2329, 0.2651
Android (android.graphics.Color)	4281423470 (0xFF31566E)
YUV	77.6730, 15.9372, -25.1462
Hunter-Lab	29.1520, -5.2972, -12.3183




Details

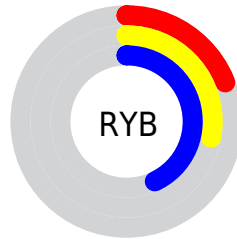
The CIELCh color **35, 18.693, 252.288** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **35, 24.314, 58.215**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **55, 18.723, 252.052**, and **15, 17.739, 255.590** is the 20% darker color. If you saturate the color by 10%, you get **33, 21.517, 255.189**, and if you desaturate by 10%, it is **37, 15.674, 249.866**.

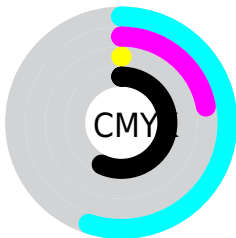
Distribution







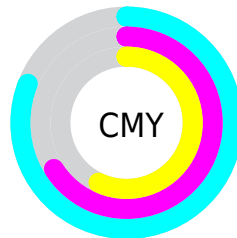
-  Red (19%)
-  Green (34%)
-  Blue (43%)






-  Red (19%)
-  Yellow (28%)
-  Blue (43%)



-  Cyan (55%)
-  Magenta (22%)
-  Yellow (0%)
-  Black (57%)




-  Cyan (81%)
-  Magenta (66%)
-  Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 18.693, 252.288 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, 18.693, 252.288 by changing the saturation by 10% instead.


 35, 18.693,
252.288

 35, 18.693,
252.288

 100, 18.693,
252.288


 25, 18.693,
252.288

 55, 18.693,
252.288


 15, 18.693,
252.288


 65, 18.693,
252.288

 5, 18.693, 252.288

 75, 18.693,
252.288

 0, 18.693, 252.288

 85, 18.693,
252.288

 95, 18.693,
252.288

■ 35, 18.693,
252.288

■ 35, 18.693,
252.288

■ 33, 21.517,
255.189

■ 37, 15.674,
249.866

■ 31, 24.158,
258.620

■ 39, 12.469,
247.861

■ 30, 26.652,
262.593

■ 41, 9.097, 246.207

■ 28, 29.086,
266.955

■ 43, 5.585, 244.851

■ 27, 30.283,
268.871

■ 45, 1.958, 243.805

■ 48, 1.758, 62.539

■ 50, 5.542, 61.854

■ 52, 9.373, 61.202

■ 54, 13.235, 60.638

Harmonies

Complementary

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



35, 18.693, 252.288



35, 24.314, 58.215

Rectangle

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



35, 18.693, 252.288



35, 18.693, 302.288



35, 18.693, 72.288



35, 18.693, 122.288

Sweetspot

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



35, 18.692, 252.287



55, 7.652, 245.121



42, 32.842, 152.584



27, 5.072, 245.301



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



35, 18.692, 252.287



43, 26.705, 255.980



26, 35.214, 293.395



22, 2.102, 244.146



30, 32.342, 269.377



60, 57.679, 272.469

Inverse Universe

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



30, 33.335, 343.168



36, 47.420, 344.763



43, 31.452, 99.298



22, 3.474, 338.935



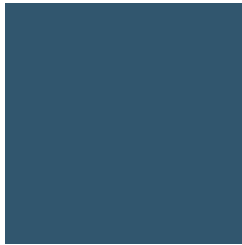
25, 50.490, 351.132



54, 85.365, 352.972

Previews

White Background



This preview shows how the CIELCh color 35, 18.693, 252.288 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 35, 18.693, 252.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

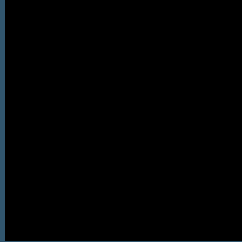
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

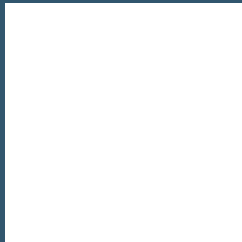
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 18.693, 252.288

Background



This preview shows how black text looks on a background with the CIELCh color 35, 18.693, 252.288.

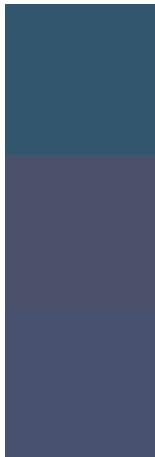


This preview shows how white text looks on a background with the CIELCh color 35, 18.693, 252.288.

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, 18.693, 252.288

Protanopia

35, 15.712, 284.586

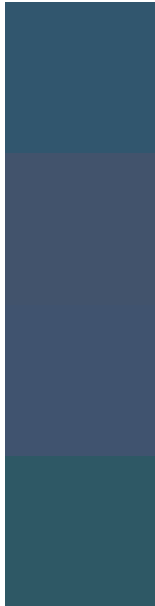
Deuteranopia

35, 19.467, 284.896



Tritanopia
35, 15.936, 213.563

Trichromacy



Original Color
35, 18.693, 252.288

Protanomaly
35, 16.499, 271.162

Deuteranomaly
35, 18.400, 271.981

Tritanomaly
35, 16.015, 228.543

Monochromacy



Original Color
35, 18.693, 252.288

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 7.517, 247.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 18.693, 252.288 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(49, 86, 110)` looks like.

```
.text, #text, p{  
    color:rgb(49, 86, 110)  
}
```

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(49, 86, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 86, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 18.693, 252.288 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(49, 86, 110) }
```

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

```
.border{ border-color:rgb(49, 86, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 86, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 86, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 86, 110);  
box-shadow:4px 4px 4px 4px rgb(49, 86,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 18.693, 252.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 86, 110) }
```

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

```
.background{ background-color: rgb(49, 86,  
110) }
```

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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