

Converting Colors

CIELCh(36, 17.787, 219.777)

Have a look what the booklet for
CIELCh(36, 17.787, 219.777)
contains.

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Color

CIELCh(36, 17.807, 218.038)

Conversions

Conversions Part 1

Format	Color
Hex	285C66
RGB	40, 92, 102
RGB Percent	16%, 36%, 40%
CMY	0.8443, 0.6402, 0.6010
CMYK	0.61, 0.10, 0.00, 0.60
HSL	190°, 44%, 28%
HSV	190°, 61%, 40%
XYZ	7.0532, 9.0082, 13.8682
YIQ	77.5920, -34.2020, -7.9140

Conversions

Conversions Part 2

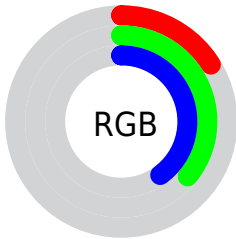
Format	Color
RYB	40, 68, 102
Decimal	2645094
CIELab	36.00, -14.02, -10.97
CIELCh	36, 17.807, 218.038
Yxy	9.0082, 0.2357, 0.3010
Android (android.graphics.Color)	4280835174 (0xFF285C66)
YUV	77.5920, 12.0331, -32.9682
Hunter-Lab	30.0136, -10.5761, -6.3863




Details

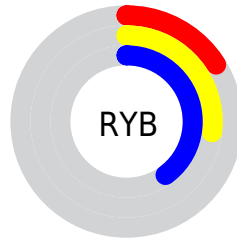
The CIELCh color **36, 17.807, 218.038** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 28.037, 37.260**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 17.739, 218.922**, and **17, 14.713, 222.573** is the 20% darker color. If you saturate the color by 10%, you get **35, 19.493, 219.352**, and if you desaturate by 10%, it is **37, 15.701, 217.037**.

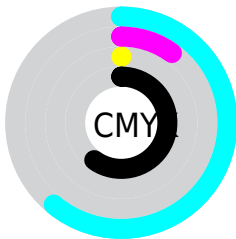
Distribution







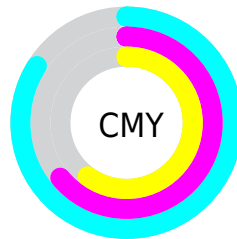
-  Red (16%)
-  Green (36%)
-  Blue (40%)






-  Red (16%)
-  Yellow (27%)
-  Blue (40%)



-  Cyan (61%)
-  Magenta (10%)
-  Yellow (0%)
-  Black (60%)




-  Cyan (84%)
-  Magenta (64%)
-  Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 17.807, 218.038 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, 17.807, 218.038 by changing the saturation by 10% instead.


 36, 17.807,
218.038


 36, 17.807,
218.038

 100, 17.807,
218.038


 26, 17.807,
218.038

 56, 17.807,
218.038


 16, 17.807,
218.038


 66, 17.807,
218.038

 6, 17.807, 218.038

 76, 17.807,
218.038

 0, 17.807, 218.038

 86, 17.807,
218.038

 96, 17.807,
218.038

■ 36, 17.807,
218.038

■ 36, 17.807,
218.038

■ 35, 19.493,
219.352

■ 37, 15.701,
217.037

■ 34, 20.743,
221.041

■ 38, 13.210,
216.301

■ 34, 21.570,
223.159

■ 39, 10.380,
215.781

■ 33, 22.193,
225.174

■ 40, 7.261, 215.442

■ 42, 3.903, 215.267

■ 43, 0.353, 216.030

■ 44, 3.347, 34.956

■ 46, 7.161, 35.058

■ 47, 11.059, 35.176

Harmonies

Complementary

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



36, 17.807, 218.038



27, 28.037, 37.260

Rectangle

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



36, 17.807, 218.038



36, 17.807, 268.038



36, 17.807, 38.038



36, 17.807, 88.038

Sweetspot

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



36, 17.807, 218.036



52, 7.805, 215.383



38, 40.176, 143.565



26, 5.346, 215.434



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



36, 17.807, 218.036



45, 24.241, 220.004



26, 26.795, 281.006



20, 2.012, 215.256



37, 24.161, 225.634



76, 41.880, 227.675

Inverse Universe

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



27, 39.429, 332.829



33, 55.516, 333.722



35, 27.149, 82.054



20, 3.783, 329.680



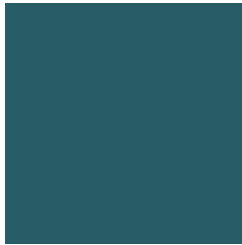
25, 56.811, 335.512



55, 97.816, 336.037

Previews

White Background



This preview shows how the CIELCh color 36, 17.807, 218.038 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, 17.807, 218.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

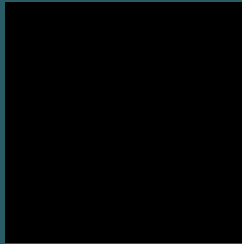
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 17.807, 218.038

Background



This preview shows how black text looks on a background with the CIELCh color 36, 17.807, 218.038.



This preview shows how white text looks on a background with the CIELCh color 36, 17.807, 218.038.

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, 17.807, 218.038

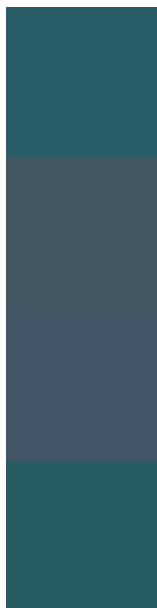
Protanopia
36, 7.485, 285.243

Deuteranopia
36, 13.059, 292.300



Tritanopia
36, 17.886, 213.623

Trichromacy



Original Color
36, 17.807, 218.038

Protanomaly
36, 10.019, 241.977

Deuteranomaly
36, 12.447, 257.533

Tritanomaly
36, 17.940, 215.702

Monochromacy



Original Color
36, 17.807, 218.038

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 7.871, 217.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 17.807, 218.038 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(40, 92, 102)` looks like.

```
.text, #text, p{  
    color:rgb(40, 92, 102)  
}
```

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(40, 92, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 92, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 17.807, 218.038 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(40, 92, 102) }
```

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

```
.border{ border-color:rgb(40, 92, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 92, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 92, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 92, 102);  
box-shadow:4px 4px 4px 4px rgb(40, 92,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 17.807, 218.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 92, 102) }
```

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

```
.background{ background-color: rgb(40, 92,  
102) }
```

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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