

Converting Colors

CIELCh(36, 19.418, 200.770)

Have a look what the booklet for
CIELCh(36, 19.418, 200.770)
contains.

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Color

CIELCh(36, 19.355, 200.699)

Conversions

Conversions Part 1

Format	Color
Hex	225D5F
RGB	34, 93, 95
RGB Percent	13%, 36%, 37%
CMY	0.8664, 0.6350, 0.6272
CMYK	0.64, 0.02, 0.00, 0.63
HSL	182°, 47%, 25%
HSV	182°, 64%, 37%
XYZ	6.6502, 9.0082, 12.2293
YIQ	75.5870, -35.8060, -11.8860

Conversions

Conversions Part 2

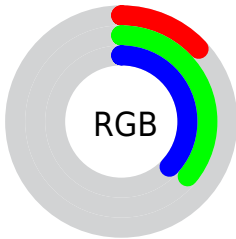
Format	Color
R_{YB}	34, 64, 95
Decimal	2252127
CIE _{Lab}	36.00, -18.11, -6.84
CIE _{LCh}	36, 19.355, 200.699
Yxy	9.0082, 0.2385, 0.3230
Android (android.graphics.Color)	4280442207 (0xFF225D5F)
YUV	75.5870, 9.5706, -36.4718
Hunter-Lab	30.0136, -12.9731, -3.1488




Details

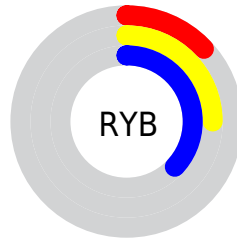
The CIELCh color **36, 19.355, 200.699** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 30.644, 29.192**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 19.462, 199.293**, and **17, 14.976, 201.916** is the 20% darker color. If you saturate the color by 10%, you get **36, 20.977, 200.756**, and if you desaturate by 10%, it is **36, 17.284, 200.738**.

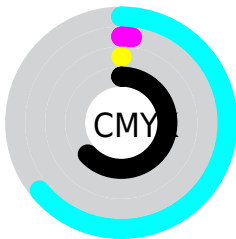
Distribution







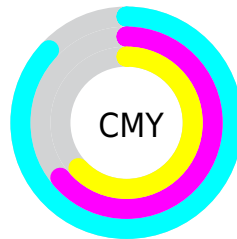
-  Red (13%)
-  Green (36%)
-  Blue (37%)






-  Red (13%)
-  Yellow (25%)
-  Blue (37%)



-  Cyan (64%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (63%)





-  Cyan (87%)
-  Magenta (64%)
-  Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 19.355, 200.699 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, 19.355, 200.699 by changing the saturation by 10% instead.


 36, 19.355,
200.699


 36, 19.355,
200.699

 100, 19.355,
200.699


 26, 19.355,
200.699

 56, 19.355,
200.699


 16, 19.355,
200.699


 66, 19.355,
200.699

 6, 19.355, 200.699

 76, 19.355,
200.699

 0, 19.355, 200.699

 86, 19.355,
200.699

 96, 19.355,
200.699

■ 36, 19.355,
200.699

■ 36, 19.355,
200.699

■ 36, 20.977,
200.756

■ 36, 17.284,
200.738

■ 35, 22.140,
200.922

■ 37, 14.794,
200.870

■ 35, 22.909,
201.185

■ 38, 11.927,
201.084

■ 35, 23.330,
201.337

■ 38, 8.733, 201.371

■ 39, 5.268, 201.732

■ 40, 1.583, 202.261

■ 41, 2.272, 22.339

■ 42, 6.253, 22.885

■ 43, 10.322, 23.384

Harmonies

Complementary

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



36, 19.355, 200.699



23, 30.644, 29.192

Rectangle

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



36, 19.355, 200.699



36, 19.355, 250.699



36, 19.355, 20.699



36, 19.355, 70.699

Sweetspot

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



36, 19.355, 200.697



49, 8.578, 201.527



35, 43.357, 139.665



25, 5.815, 201.461



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, 19.355, 200.697



46, 25.867, 200.828



26, 21.999, 269.674



20, 2.148, 201.965



41, 26.198, 201.441



84, 45.680, 201.775

Inverse Universe

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



25, 42.401, 328.441



30, 58.784, 328.966



30, 25.635, 69.504



18, 3.961, 325.761



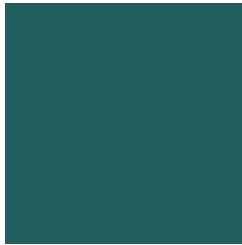
25, 61.554, 329.518



56, 107.438, 329.601

Previews

White Background



This preview shows how the CIELCh color 36, 19.355, 200.699 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, 19.355, 200.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

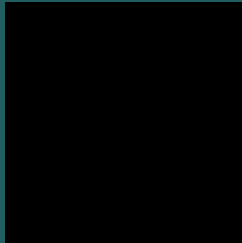
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 19.355, 200.699

Background



This preview shows how black text looks on a background with the CIELCh color 36, 19.355, 200.699.

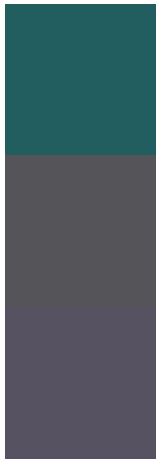


This preview shows how white text looks on a background with the CIELCh color 36, 19.355, 200.699.

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, 19.355, 200.699

Protanopia
36, 3.110, 290.703

Deuteranopia
36, 9.511, 301.481



Tritanopia
36, 18.509, 212.991

Trichromacy



Original Color
36, 19.355, 200.699

Protanomaly
35, 8.518, 215.487

Deuteranomaly
35, 9.404, 240.402

Tritanomaly
36, 18.691, 208.785

Monochromacy



Original Color
36, 19.355, 200.699

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 8.408, 202.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 19.355, 200.699 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(34, 93, 95)` looks like.

```
.text, #text, p{  
    color:rgb(34, 93, 95)  
}
```

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(34, 93, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 93, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 19.355, 200.699 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(34, 93, 95) }
```

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

```
.border{ border-color:rgb(34, 93, 95) }
```

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

Here you see how a box with a 4 pixel rgb(34, 93, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 93, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 93, 95);  
box-shadow:4px 4px 4px 4px rgb(34, 93, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 19.355, 200.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 93, 95) }
```

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

```
.background{ background-color: rgb(34, 93,  
95) }
```

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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