

Converting Colors

CIELCh(36, 5.655, 199.049)

Have a look what the booklet for
CIELCh(36, 5.655, 199.049) contains.

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Color

CIELCh(36, 5.335, 198.726)

Conversions

Conversions Part 1

Format	Color
Hex	4A5757
RGB	74, 87, 87
RGB Percent	29%, 34%, 34%
CMY	0.7090, 0.6580, 0.6580
CMYK	0.15, 0.00, 0.00, 0.66
HSL	180°, 8%, 32%
HSV	180°, 15%, 34%
XYZ	7.9959, 9.0082, 10.3813
YIQ	83.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

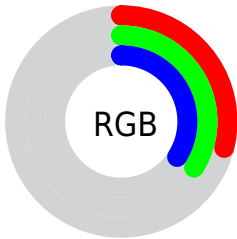
Format	Color
R _Y B	74, 81, 87
Decimal	4872023
CIE Lab	36.00, -5.05, -1.71
CIE LCh	36, 5.335, 198.726
Yxy	9.0082, 0.2920, 0.3289
Android (android.graphics.Color)	4283062103 (0xFF4A5757)
YUV	83.1130, 1.9163, -7.9921
Hunter-Lab	30.0136, -4.9696, 0.5019

Details

The CIELCh color **36, 5.335, 198.726** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **33, 5.824, 20.264**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 5.356, 198.946**, and **16, 5.386, 198.257** is the 20% darker color. If you saturate the color by 10%, you get **35, 8.663, 198.244**, and if you desaturate by 10%, it is **37, 1.799, 199.315**.

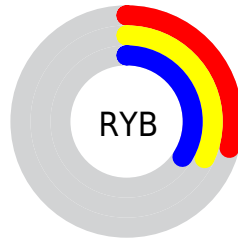
Distribution



Red (29%)

Green (34%)

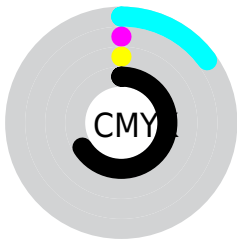
Blue (34%)



Red (29%)

Yellow (32%)

Blue (34%)

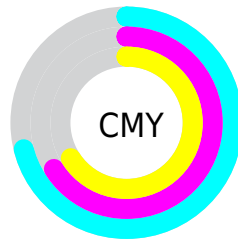


Cyan (15%)

Magenta (0%)

Yellow (0%)

Black (66%)



Cyan (71%)

Magenta (66%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 5.335, 198.726 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, 5.335, 198.726 by changing the saturation by 10% instead.

■ 36, 5.335, 198.726

■ 36, 5.335, 198.726

■ 100, 5.335,
198.726

■ 26, 5.335, 198.726

■ 56, 5.335, 198.726

■ 16, 5.335, 198.726

■ 66, 5.335, 198.726

■ 6, 5.335, 198.726

■ 76, 5.335, 198.726

■ 0, 5.335, 198.726

■ 86, 5.335, 198.726

■ 96, 5.335, 198.726

■ 36, 5.335, 198.726

■ 36, 5.335, 198.726

■ 35, 8.663, 198.244

■ 37, 1.799, 199.315

35, 11.732,
197.825

37, 1.900, 19.502

34, 14.491,
197.457

38, 5.718, 20.147

34, 16.895,
197.142

39, 9.619, 20.724

34, 18.905,
196.882

41, 17.550, 21.879

33, 20.499,
196.679

42, 21.535, 22.459

33, 21.668,
196.530

43, 25.511, 23.036

33, 22.512,
196.423

45, 29.465, 23.608

33, 22.934,
196.370

Harmonies

Complementary

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



36, 5.335, 198.726



33, 5.824, 20.264

Rectangle

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



36, 5.335, 198.726



36, 5.335, 248.726



36, 5.335, 18.726



36, 5.335, 68.726

Sweetspot

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



36, 5.335, 198.717



47, 1.806, 199.386



36, 9.834, 143.197



23, 1.268, 199.338



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



36, 5.335, 198.717



46, 7.850, 198.537



34, 4.751, 255.456



17, 2.022, 199.050



41, 26.470, 196.369



85, 47.055, 196.368

Inverse Universe

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



33, 5.824, 20.264



41, 8.769, 20.552



35, 4.935, 71.909



16, 2.127, 19.811



21, 52.679, 36.568



49, 98.177, 39.997

Previews

White Background



This preview shows how the CIELCh color 36, 5.335, 198.726 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, 5.335, 198.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

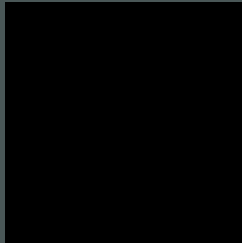
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

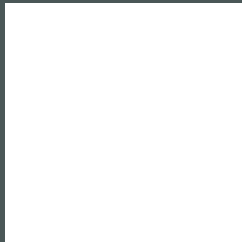
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 5.335, 198.726

Background



This preview shows how black text looks on a background with the CIELCh color 36, 5.335, 198.726.



This preview shows how white text looks on a background with the CIELCh color 36, 5.335, 198.726.

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, 5.335, 198.726

Protanopia

36, 1.065, 343.617

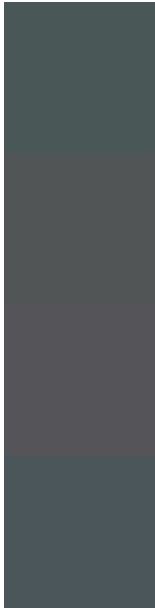
Deuteranopia

36, 5.369, 336.272



Tritanopia
36, 6.097, 244.702

Trichromacy



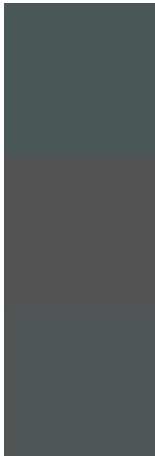
Original Color
36, 5.335, 198.726

Protanomaly
36, 1.400, 225.825

Deuteranomaly
36, 2.530, 300.164

Tritanomaly
36, 5.351, 234.581

Monochromacy



Original Color
36, 5.335, 198.726

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 2.104, 199.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 5.335, 198.726 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(74, 87, 87)` looks like.

```
.text, #text, p{  
    color:rgb(74, 87, 87)  
}
```

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(74, 87, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 87, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 5.335, 198.726 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(74, 87, 87) }
```

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

```
.border{ border-color:rgb(74, 87, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 87, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 87, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 87, 87);  
box-shadow:4px 4px 4px 4px rgb(74, 87, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 5.335, 198.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 87, 87) }
```

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

```
.background{ background-color: rgb(74, 87,  
87) }
```

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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