

Converting Colors

CIELCh(36, 19.863, 304.007)

Have a look what the booklet for
CIELCh(36, 19.863, 304.007)
contains.

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Color

CIELCh(36, 19.729, 304.332)

Conversions

Conversions Part 1

Format	Color
Hex	5A506F
RGB	90, 80, 111
RGB Percent	35%, 31%, 44%
CMY	0.6480, 0.6872, 0.5657
CMYK	0.19, 0.28, 0.00, 0.57
HSL	259°, 16%, 37%
HSV	259°, 28%, 43%
XYZ	9.9015, 9.0082, 16.1859
YIQ	86.5240, -3.9910, 11.7610

Conversions

Conversions Part 2

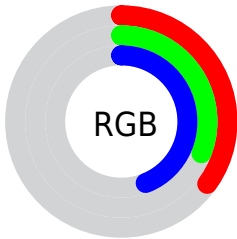
Format	Color
R_{YB}	90, 80, 111
Decimal	5918831
CIE _{Lab}	36.00, 11.13, -16.29
CIE _{LCh}	36, 19.729, 304.332
Yxy	9.0082, 0.2821, 0.2567
Android (android.graphics.Color)	4284108911 (0xFF5A506F)
YUV	86.5240, 12.0667, 3.0485
Hunter-Lab	30.0136, 6.3632, -10.9647

Details

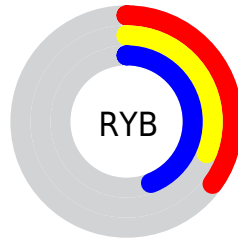
The CIELCh color **36, 19.729, 304.332** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45, 18.751, 121.162**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 19.984, 303.936**, and **16, 20.020, 305.265** is the 20% darker color. If you saturate the color by 10%, you get **32, 27.193, 305.068**, and if you desaturate by 10%, it is **40, 12.473, 303.663**.

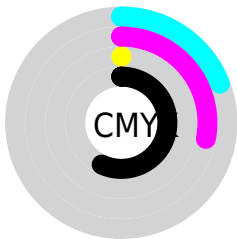
Distribution



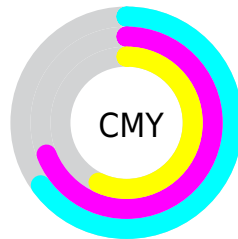
- Red (35%)
- Green (31%)
- Blue (44%)



- Red (35%)
- Yellow (31%)
- Blue (44%)



- Cyan (19%)
- Magenta (28%)
- Yellow (0%)
- Black (57%)





- Cyan (65%)
- Magenta (69%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 19.729, 304.332 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, 19.729, 304.332 by changing the saturation by 10% instead.


 36, 19.729,
304.332


 36, 19.729,
304.332

 100, 19.729,
304.332


 26, 19.729,
304.332

 56, 19.729,
304.332


 16, 19.729,
304.332


 66, 19.729,
304.332

 6, 19.729, 304.332

 76, 19.729,
304.332

 0, 19.729, 304.332

 86, 19.729,
304.332

 96, 19.729,
304.332

■ 36, 19.729,
304.332

■ 36, 19.729,
304.332

■ 32, 27.193,
305.068

■ 40, 12.473,
303.663

■ 28, 34.821,
305.860

■ 44, 5.446, 303.063

■ 48, 1.352, 122.570

■ 25, 42.512,
306.682

■ 51, 7.926, 122.085

■ 21, 50.071,
307.483

■ 55, 14.286,
121.678

■ 18, 57.158,
308.175

■ 59, 20.442,
121.326

■ 15, 63.251,
308.634


■ 63, 26.406,
121.020

■ 13, 68.422,
308.958

■ 66, 32.190,
120.756

■ 13, 69.566,

309.082

 70, 37.803,
120.528

Harmonies

Complementary

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



36, 19.729, 304.332



45, 18.751, 121.162

Rectangle

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



36, 19.729, 304.332



36, 19.729, 354.332



36, 19.729, 124.332



36, 19.729, 174.332

Sweetspot

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



36, 19.728, 304.332



56, 6.731, 303.077



41, 9.769, 236.344



28, 4.759, 303.146



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



36, 19.728, 304.332



43, 29.850, 304.833



38, 21.590, 320.492



21, 3.888, 303.123



14, 73.670, 308.996



35, 126.672, 308.461

Inverse Universe

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



38, 18.150, 337.151



46, 27.144, 337.695



44, 21.354, 137.915



22, 3.654, 335.765



26, 52.465, 345.676



55, 88.645, 347.029

Previews

White Background



This preview shows how the CIELCh color 36, 19.729, 304.332 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, 19.729, 304.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

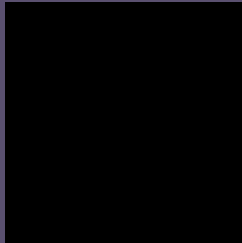
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 19.729, 304.332

Background



This preview shows how black text looks on a background with the CIELCh color 36, 19.729, 304.332.

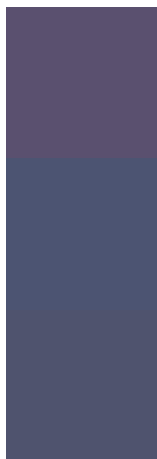


This preview shows how white text looks on a background with the CIELCh color 36, 19.729, 304.332.

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, 19.729, 304.332

Protanopia

36, 18.746, 284.336

Deuteranopia

36, 16.810, 287.833



Tritanopia
36, 3.834, 303.377

Trichromacy



Original Color
36, 19.729, 304.332

Protanomaly
36, 19.277, 292.189

Deuteranomaly
36, 17.434, 294.217

Tritanomaly
36, 10.198, 303.188

Monochromacy



Original Color
36, 19.729, 304.332

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 6.960, 301.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 19.729, 304.332 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(90, 80, 111)` looks like.

```
.text, #text, p{  
    color:rgb(90, 80, 111)  
}
```

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(90, 80, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 80, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 19.729, 304.332 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(90, 80, 111) }
```

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

```
.border{ border-color:rgb(90, 80, 111) }
```

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

Here you see how a box with a 4 pixel rgb(90, 80, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 80, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 80, 111);  
box-shadow:4px 4px 4px 4px rgb(90, 80,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 19.729, 304.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 80, 111) }
```

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

```
.background{ background-color: rgb(90, 80,  
111) }
```

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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