

Converting Colors

CIELCh(30, 36.733, 309.720)

Have a look what the booklet for
CIELCh(30, 36.733, 309.720)
contains.

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Color

CIELCh(30, 36.800, 309.742)

Conversions

Conversions Part 1

Format	Color
Hex	543B73
RGB	84, 59, 115
RGB Percent	33%, 23%, 45%
CMY	0.6709, 0.7689, 0.5494
CMYK	0.27, 0.49, 0.00, 0.55
HSL	267°, 32%, 34%
HSV	267°, 49%, 45%
XYZ	8.2972, 6.2359, 16.9587
YIQ	72.8590, -3.0760, 22.7160

Conversions

Conversions Part 2

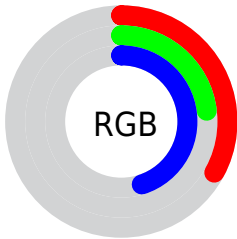
Format	Color
R_{YB}	84, 59, 115
Decimal	5520243
CIE Lab	30.00, 23.53, -28.30
CIE LCh	30, 36.800, 309.742
Yxy	6.2359, 0.2635, 0.1980
Android (android.graphics.Color)	4283710323 (0xFF543B73)
YUV	72.8590, 20.7755, 9.7707
Hunter-Lab	24.9718, 15.6084, -22.7844

Details

The CIELCh color $[30, 36.800, 309.742]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[45, 34.064, 124.955]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 36.545, 309.731]$, and $[10, 36.233, 309.629]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 44.554, 310.309]$, and if you desaturate by 10%, it is $[34, 28.982, 309.158]$.

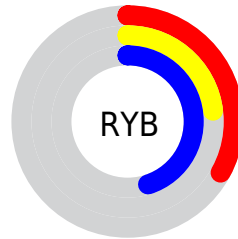
Distribution



Red (33%)

Green (23%)

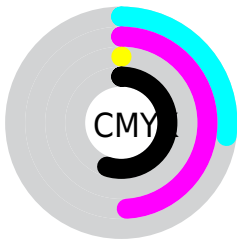
Blue (45%)



Red (33%)

Yellow (23%)

Blue (45%)

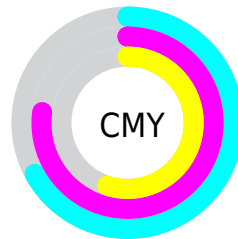


Cyan (27%)

Magenta (49%)

Yellow (0%)

Black (55%)



Cyan (67%)


Magenta (77%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 36.800, 309.742 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 30, 36.800, 309.742 by changing the saturation by 10% instead.


 30, 36.800,
309.742


 30, 36.800,
309.742

 100, 36.800,
309.742


 20, 36.800,
309.742


 50, 36.800,
309.742


 10, 36.800,
309.742

 60, 36.800,
309.742

 0, 36.800, 309.742

 70, 36.800,
309.742

 80, 36.800,
309.742

 90, 36.800,
309.742

■ 30, 36.800,
309.742

■ 30, 36.800,
309.742

■ 26, 44.554,
310.309

■ 34, 28.982,
309.158

■ 23, 52.007,
310.805

■ 37, 21.243,
308.588

■ 20, 58.791,
311.151

■ 41, 13.661,
308.051

■ 18, 64.412,
311.243

■ 45, 6.276, 307.554

■ 49, 0.896, 127.194

■ 15, 69.096,
311.198

■ 53, 7.850, 126.731

■ 15, 69.742,
311.218

■ 57, 14.591,
126.375

■ 60, 21.125,
126.063

■ 64, 27.462,
125.791

Harmonies

Complementary

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



30, 36.800, 309.742



45, 34.064, 124.955

Rectangle

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



30, 36.800, 309.742



30, 36.800, 359.742



30, 36.800, 129.742



30, 36.800, 179.742

Sweetspot

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



30, 36.799, 309.742



55, 13.583, 307.881



37, 17.934, 255.922



28, 9.361, 307.966



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



30, 36.799, 309.742



35, 54.880, 310.352



33, 39.350, 324.876



23, 4.119, 307.570



17, 73.020, 311.143



38, 124.574, 310.541

Inverse Universe

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



33, 29.766, 345.338



40, 43.306, 346.754



44, 39.259, 139.347



23, 3.476, 341.504



26, 50.134, 355.609



54, 84.329, 357.770

Previews

White Background



This preview shows how the CIELCh color 30, 36.800, 309.742 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 30, 36.800, 309.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

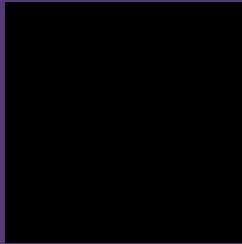
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 36.800, 309.742

Background



This preview shows how black text looks on a background with the CIELCh color 30, 36.800, 309.742.



This preview shows how white text looks on a background with the CIELCh color 30, 36.800, 309.742.

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

30, 36.800, 309.742

Protanopia

30, 35.329, 285.830

Deuteranopia

30, 26.757, 279.419



Tritanopia
30, 4.452, 334.234

Trichromacy



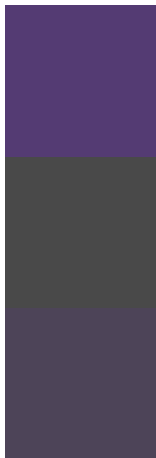
Original Color
30, 36.800, 309.742

Protanomaly
30, 35.814, 293.972

Deuteranomaly
30, 29.440, 291.570

Tritanomaly
30, 16.487, 313.020

Monochromacy



Original Color
30, 36.800, 309.742

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 13.375, 308.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 36.800, 309.742 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(84, 59, 115)` looks like.

```
.text, #text, p{  
    color:rgb(84, 59, 115)  
}
```

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(84, 59, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 59, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 36.800, 309.742 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(84, 59, 115) }
```

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

```
.border{ border-color:rgb(84, 59, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 59, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 59, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 59, 115);  
box-shadow:4px 4px 4px 4px rgb(84, 59,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 36.800, 309.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 59, 115) }
```

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

```
.background{ background-color: rgb(84, 59,  
115) }
```

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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