

Converting Colors

CIELCh(36, 32.106, 319.385)

Have a look what the booklet for
CIELCh(36, 32.106, 319.385)
contains.

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Color

CIELCh(36, 32.054, 319.421)

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | 6B4776 |
| RGB | 107, 71, 118 |
| RGB Percent | 42%, 28%, 46% |
| CMY | 0.5791, 0.7203, 0.5360 |
| CMYK | 0.09, 0.40, 0.00, 0.54 |
| HSL | 286°, 25%, 37% |
| HSV | 286°, 40%, 46% |
| XYZ | 11.6659, 9.0082, 18.3666 |
| YIQ | 87.1220, 6.3690, 22.2490 |

Conversions

Conversions Part 2

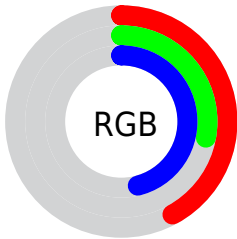
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 107, 71, 118 |
| Decimal | 7030646 |
| CIE _{Lab} | 36.00, 24.35, -20.85 |
| CIE _{LCh} | 36, 32.054, 319.421 |
| Yxy | 9.0082, 0.2988, 0.2307 |
| Android (android.graphics.Color) | 4285220726 (0xFF6B4776) |
| YUV | 87.1220, 15.2229, 17.4330 |
| Hunter-Lab | 30.0136, 16.8571, -15.2726 |

Details

The CIELCh color **36, 32.054, 319.421** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **46, 31.410, 135.781**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 31.980, 319.477**, and **16, 31.653, 319.350** is the 20% darker color. If you saturate the color by 10%, you get **33, 39.934, 319.784**, and if you desaturate by 10%, it is **39, 23.958, 319.018**.

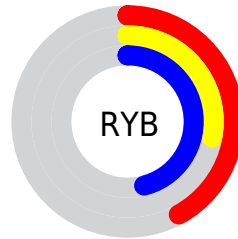
Distribution



Red (42%)

Green (28%)

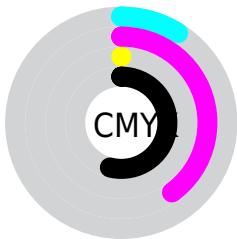
Blue (46%)



Red (42%)

Yellow (28%)

Blue (46%)

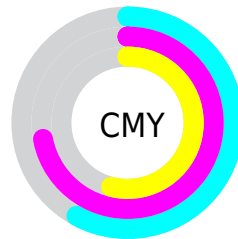


Cyan (9%)

Magenta (40%)

Yellow (0%)

Black (54%)



Cyan (58%)


Magenta (72%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 32.054, 319.421 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, 32.054, 319.421 by changing the saturation by 10% instead.


 36, 32.054,
319.421


 36, 32.054,
319.421

 100, 32.054,
319.421


 26, 32.054,
319.421

 56, 32.054,
319.421


 16, 32.054,
319.421


 66, 32.054,
319.421

 6, 32.054, 319.421

 76, 32.054,
319.421

 0, 32.054, 319.421

 86, 32.054,
319.421

 96, 32.054,
319.421

■ 36, 32.054,
319.421

■ 36, 32.054,
319.421

■ 33, 39.934,
319.784

■ 39, 23.958,
319.018

■ 30, 47.368,
320.076

■ 43, 15.816,
318.596

■ 27, 54.049,
320.260

■ 46, 7.739, 318.168

■ 25, 59.625,
320.291

■ 50, 0.202, 138.450

■ 53, 7.966, 137.405

■ 23, 63.763,
320.124

■ 57, 15.530,
137.030

■ 22, 66.938,
319.843

■ 61, 22.887,
136.685

■ 22, 67.025,
319.837

■ 64, 30.034,
136.369

■ 68, 36.975,
136.079

Harmonies

Complementary

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



36, 32.054, 319.421



46, 31.410, 135.781

Rectangle

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



36, 32.054, 319.421



36, 32.054, 9.421



36, 32.054, 139.421



36, 32.054, 189.421

Sweetspot

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



36, 32.053, 319.421



58, 11.800, 318.279



36, 22.138, 283.163



29, 7.787, 318.319



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 32.053, 319.421



43, 47.588, 319.765



37, 28.472, 334.973



23, 4.439, 318.138



23, 68.677, 319.809



50, 116.668, 319.384

Inverse Universe

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



36, 21.766, 5.293



43, 32.758, 6.969



46, 28.281, 149.179



23, 2.883, 1.439



24, 52.003, 24.584



53, 90.372, 27.946

Previews

White Background



This preview shows how the CIELCh color 36, 32.054, 319.421 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, 32.054, 319.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

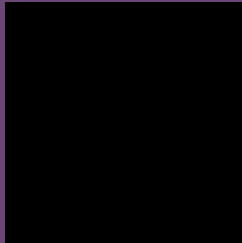
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 32.054, 319.421

Background



This preview shows how black text looks on a background with the CIELCh color 36, 32.054, 319.421.



This preview shows how white text looks on a background with the CIELCh color 36, 32.054, 319.421.

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, 32.054, 319.421

Protanopia

36, 27.484, 284.292

Deuteranopia

36, 19.960, 285.152



Tritanopia
36, 10.703, 0.904

Trichromacy



Original Color
36, 32.054, 319.421

Protanomaly
36, 28.080, 297.421

Deuteranomaly
36, 23.912, 300.929

Tritanomaly
36, 17.437, 334.035

Monochromacy



Original Color
36, 32.054, 319.421

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 11.875, 318.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 32.054, 319.421 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(107, 71, 118)` looks like.

```
.text, #text, p{  
    color:rgb(107, 71, 118)  
}
```

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(107, 71, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 71, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 32.054, 319.421 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(107, 71, 118) }
```

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

```
.border{ border-color:rgb(107, 71, 118) }
```

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

Here you see how a box with a 4 pixel rgb(107, 71, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 71, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 71, 118);  
box-shadow:4px 4px 4px 4px rgb(107, 71,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 32.054, 319.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 71, 118) }
```

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

```
.background{ background-color: rgb(107, 71,  
118) }
```

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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