

Converting Colors

CIELCh(36, 12.834, 320.563)

Have a look what the booklet for
CIELCh(36, 12.834, 320.563)
contains.

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Color

CIELCh(36, 12.815, 320.569)

Conversions

Conversions Part 1

Format	Color
Hex	5F5062
RGB	95, 80, 98
RGB Percent	37%, 31%, 38%
CMY	0.6283, 0.6870, 0.6165
CMYK	0.03, 0.18, 0.00, 0.62
HSL	290°, 10%, 35%
HSV	290°, 18%, 38%
XYZ	9.7471, 9.0082, 12.7296
YIQ	86.5370, 3.1620, 8.7780

Conversions

Conversions Part 2

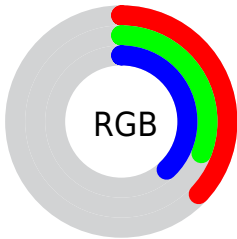
Format	Color
R_{YB}	95, 80, 98
Decimal	6246498
CIE Lab	36.00, 9.90, -8.14
CIE LCh	36, 12.815, 320.569
Yxy	9.0082, 0.3096, 0.2861
Android (android.graphics.Color)	4284436578 (0xFF5F5062)
YUV	86.5370, 5.6513, 7.4221
Hunter-Lab	30.0136, 5.4454, -4.1370

Details

The CIELCh color $[36, 12.815, 320.569]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[40, 12.725, 138.941]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 13.234, 320.875]$, and $[16, 13.480, 320.745]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 19.862, 320.997]$, and if you desaturate by 10%, it is $[39, 5.808, 320.129]$.

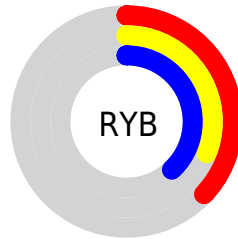
Distribution



Red (37%)

Green (31%)

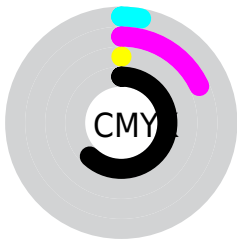
Blue (38%)



Red (37%)

Yellow (31%)

Blue (38%)

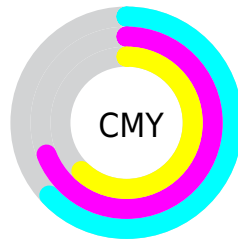


Cyan (3%)

Magenta (18%)

Yellow (0%)

Black (62%)



Cyan (63%)


Magenta (69%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 12.815, 320.569 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, 12.815, 320.569 by changing the saturation by 10% instead.


 36, 12.815,
320.569


 36, 12.815,
320.569

 100, 12.815,
320.569


 26, 12.815,
320.569

 56, 12.815,
320.569


 16, 12.815,
320.569


 66, 12.815,
320.569

 6, 12.815, 320.569

 76, 12.815,
320.569

 0, 12.815, 320.569

 86, 12.815,
320.569

 96, 12.815,
320.569

■ 36, 12.815,
320.569

■ 36, 12.815,
320.569

■ 33, 19.862,
320.997

■ 39, 5.808, 320.129

■ 30, 26.856,
321.407

■ 42, 1.091, 139.851

■ 28, 33.655,
321.781

■ 45, 7.846, 139.345

■ 25, 40.068,
322.096

■ 48, 14.433,
138.953

■ 23, 45.855,
322.323

■ 51, 20.843,
138.588

■ 21, 50.742,
322.429

■ 54, 27.073,
138.249

■ 20, 54.472,
322.383

■ 57, 33.125,
137.935

■ 19, 57.495,

■ 60, 39.005,
137.646

322.259

■ 63, 44.720,
137.380

■ 19, 58.005,
322.246

Harmonies

Complementary

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



36, 12.815, 320.569



40, 12.725, 138.941

Rectangle

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



36, 12.815, 320.569



36, 12.815, 10.569



36, 12.815, 140.569



36, 12.815, 190.569

Sweetspot

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



36, 12.814, 320.569



51, 5.153, 320.027



36, 9.212, 283.547



26, 3.389, 320.045



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



36, 12.814, 320.569



45, 19.100, 320.753



36, 10.785, 336.167



18, 3.851, 320.151



22, 63.930, 322.153



50, 111.903, 321.791

Inverse Universe

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



36, 8.115, 7.460



45, 12.200, 7.932



40, 10.698, 153.698



18, 2.395, 6.491



22, 50.621, 29.211



50, 91.485, 32.753

Previews

White Background



This preview shows how the CIELCh color 36, 12.815, 320.569 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, 12.815, 320.569 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, 12.815, 320.569

Background



This preview shows how black text looks on a background with the CIELCh color 36, 12.815, 320.569.

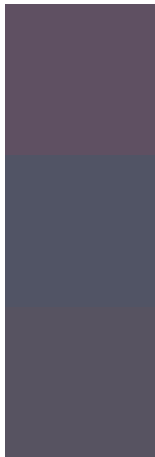


This preview shows how white text looks on a background with the CIELCh color 36, 12.815, 320.569.

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, 12.815, 320.569

Protanopia

36, 10.600, 285.550

Deuteranopia

36, 8.882, 302.103



Tritanopia
36, 6.014, 342.125

Trichromacy



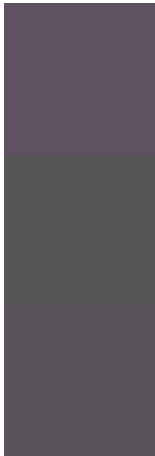
Original Color
36, 12.815, 320.569

Protanomaly
36, 11.351, 300.062

Deuteranomaly
36, 9.926, 310.856

Tritanomaly
36, 8.781, 329.720

Monochromacy



Original Color
36, 12.815, 320.569

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 4.299, 320.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 12.815, 320.569 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(95, 80, 98)` looks like.

```
.text, #text, p{  
    color:rgb(95, 80, 98)  
}
```

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(95, 80, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 80, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 12.815, 320.569 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(95, 80, 98) }
```

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

```
.border{ border-color:rgb(95, 80, 98) }
```

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

Here you see how a box with a 4 pixel rgb(95, 80, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 80, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 80, 98);  
box-shadow:4px 4px 4px 4px rgb(95, 80, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 12.815, 320.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 80, 98) }
```

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

```
.background{ background-color: rgb(95, 80,  
98) }
```

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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