

Converting Colors

CIELCh(34, 20.178, 322.238)

Have a look what the booklet for
CIELCh(34, 20.178, 322.238)
contains.

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Color

CIELCh(34, 20.065, 321.702)

Conversions

Conversions Part 1

Format	Color
Hex	604864
RGB	96, 72, 100
RGB Percent	38%, 28%, 39%
CMY	0.6242, 0.7183, 0.6085
CMYK	0.04, 0.28, 0.00, 0.61
HSL	291°, 16%, 34%
HSV	291°, 28%, 39%
XYZ	9.4049, 8.0082, 13.0635
YIQ	82.3680, 5.3160, 13.7960

Conversions

Conversions Part 2

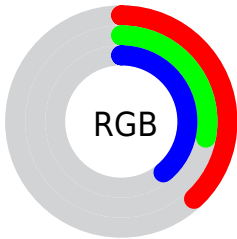
Format	Color
R_{YB}	96, 72, 100
Decimal	6309988
CIE _{Lab}	34.00, 15.75, -12.44
CIE _{LCh}	34, 20.065, 321.702
Yxy	8.0082, 0.3086, 0.2628
Android (android.graphics.Color)	4284500068 (0xFF604864)
YUV	82.3680, 8.6926, 11.9553
Hunter-Lab	28.2988, 9.8002, -7.5607

Details

The CIELCh color $[34, 20.065, 321.702]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[40, 19.900, 139.043]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 19.971, 321.668]$, and $[14, 19.800, 321.777]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 27.203, 322.121]$, and if you desaturate by 10%, it is $[37, 12.859, 321.264]$.

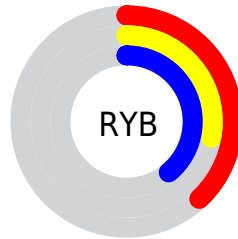
Distribution



Red (38%)

Green (28%)

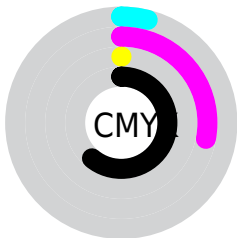
Blue (39%)



Red (38%)

Yellow (28%)

Blue (39%)

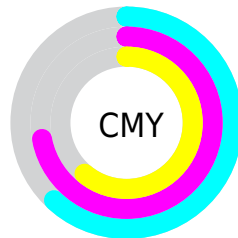


Cyan (4%)

Magenta (28%)

Yellow (0%)

Black (61%)



Cyan (62%)


Magenta (72%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 20.065, 321.702 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 34, 20.065, 321.702 by changing the saturation by 10% instead.


 34, 20.065,
321.702


 34, 20.065,
321.702

 100, 20.065,
321.702


 24, 20.065,
321.702

 54, 20.065,
321.702


 14, 20.065,
321.702


 64, 20.065,
321.702

 4, 20.065, 321.702

 74, 20.065,
321.702

 0, 20.065, 321.702

 84, 20.065,
321.702

 94, 20.065,
321.702

■ 34, 20.065,
321.702

■ 34, 20.065,
321.702

■ 31, 27.203,
322.121

■ 37, 12.859,
321.264

■ 29, 34.129,
322.503

■ 40, 5.692, 320.814

■ 43, 1.370, 140.506

■ 26, 40.644,
322.828

■ 46, 8.286, 140.009

■ 24, 46.501,
323.067

■ 49, 15.030,
139.605

■ 22, 51.426,
323.192

■ 52, 21.592,
139.229

■ 21, 55.165,
323.174


■ 55, 27.968,
138.877

■ 20, 58.092,
323.068

■ 58, 34.160,
138.551

■ 20, 58.693,

323.055

 62, 40.174,
138.249

Harmonies

Complementary

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



34, 20.065, 321.702



40, 19.900, 139.043

Rectangle

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



34, 20.065, 321.702



34, 20.065, 11.702



34, 20.065, 141.702



34, 20.065, 191.702

Sweetspot

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



34, 20.064, 321.702



51, 7.042, 320.823



33, 15.058, 286.711



26, 5.048, 320.878



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



34, 20.064, 321.702



42, 30.242, 321.996



34, 16.388, 338.366



20, 4.050, 320.856



23, 64.785, 322.974



52, 112.461, 322.667

Inverse Universe

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



34, 12.836, 10.409



41, 19.671, 11.339



40, 16.162, 154.245



19, 2.485, 8.357



23, 52.246, 30.956



51, 93.722, 34.284

Previews

White Background



This preview shows how the CIELCh color 34, 20.065, 321.702 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 34, 20.065, 321.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

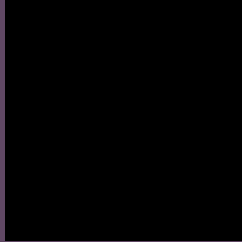
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 20.065, 321.702

Background



This preview shows how black text looks on a background with the CIELCh color 34, 20.065, 321.702.

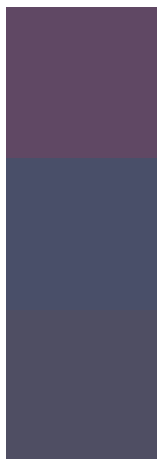


This preview shows how white text looks on a background with the CIELCh color 34, 20.065, 321.702.

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

34, 20.065, 321.702

Protanopia

34, 16.392, 285.116

Deuteranopia

34, 13.207, 294.097



Tritanopia
34, 8.735, 355.449

Trichromacy



Original Color
34, 20.065, 321.702

Protanomaly
34, 17.140, 299.443

Deuteranomaly
34, 14.952, 306.374

Tritanomaly
34, 12.228, 335.658

Monochromacy



Original Color
34, 20.065, 321.702

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 7.360, 322.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 20.065, 321.702 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(96, 72, 100)` looks like.

```
.text, #text, p{  
    color:rgb(96, 72, 100)  
}
```

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(96, 72, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 72, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 20.065, 321.702 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(96, 72, 100) }
```

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

```
.border{ border-color:rgb(96, 72, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 72, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 72, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 72, 100);  
box-shadow:4px 4px 4px 4px rgb(96, 72,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 20.065, 321.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 72, 100) }
```

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

```
.background{ background-color: rgb(96, 72,  
100) }
```

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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