

Converting Colors

CIELCh(35, 8.500, 19.486)

Have a look what the booklet for
CIELCh(35, 8.500, 19.486) contains.

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Color

CIELCh(35, 8.503, 20.668)

Conversions

Conversions Part 1

Format	Color
Hex	614E4E
RGB	97, 78, 78
RGB Percent	38%, 31%, 31%
CMY	0.6204, 0.6949, 0.6949
CMYK	0.00, 0.20, 0.20, 0.62
HSL	0°, 11%, 34%
HSV	0°, 20%, 38%
XYZ	8.9866, 8.4984, 8.3378
YIQ	83.6810, 11.3240, 4.0280

Conversions

Conversions Part 2

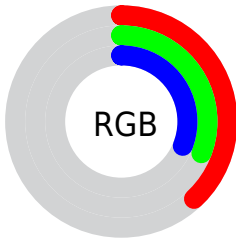
Format	Color
RYB	97, 78, 78
Decimal	6377038
CIELab	35.00, 7.96, 3.00
CIELCh	35, 8.503, 20.668
Yxy	8.4984, 0.3480, 0.3291
Android (android.graphics.Color)	4284567118 (0xFF614E4E)
YUV	83.6810, -2.8007, 11.6808
Hunter-Lab	29.1520, 4.0095, 3.4488

Details

The CIELCh color $[35, 8.503, 20.668]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[40, 7.547, 198.491]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 8.564, 20.284]$, and $[15, 8.257, 21.516]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 13.304, 21.628]$, and if you desaturate by 10%, it is $[38, 4.018, 19.898]$.

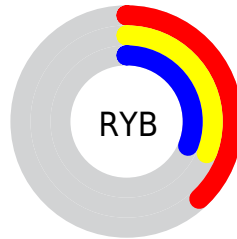
Distribution



Red (38%)

Green (31%)

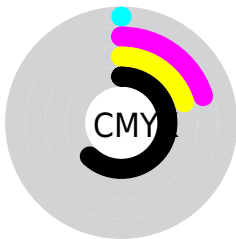
Blue (31%)



Red (38%)

Yellow (31%)

Blue (31%)

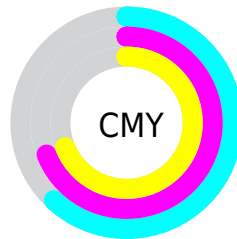


Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (62%)



Cyan (62%)

Magenta (69%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 8.503, 20.668 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 35, 8.503, 20.668 by changing the saturation by 10% instead.

 35, 8.503, 20.668  35, 8.503, 20.668

 100, 8.503, 20.668  25, 8.503, 20.668

 55, 8.503, 20.668  15, 8.503, 20.668

 65, 8.503, 20.668  5, 8.503, 20.668

 75, 8.503, 20.668  0, 8.503, 20.668

 85, 8.503, 20.668

 95, 8.503, 20.668

 35, 8.503, 20.668  35, 8.503, 20.668

 32, 13.304, 21.628  38, 4.018, 19.898

 29, 18.409, 22.838  41, 0.153, 201.528

27, 23.768, 24.391

44, 4.030, 199.014

24, 29.291, 26.375

48, 7.638, 198.603

22, 34.845, 28.870

51, 11.004,
198.286

20, 40.248, 31.881

54, 14.155,
198.031

19, 44.601, 34.059

18, 48.111, 35.211

57, 17.116,
197.821

18, 48.247, 35.247

60, 19.910,
197.647

63, 22.557,
197.501

Harmonies

Complementary

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



35, 8.503, 20.668



40, 7.547, 198.491

Rectangle

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



35, 8.503, 20.668



35, 8.503, 70.668



35, 8.503, 200.668



35, 8.503, 250.668

Sweetspot

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



35, 8.502, 20.676



50, 3.054, 19.635



36, 14.215, 325.431



25, 2.044, 19.667



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



35, 8.502, 20.676



43, 13.070, 21.132



38, 7.224, 73.150



18, 2.339, 19.843



22, 54.831, 37.110



50, 99.789, 40.001

Inverse Universe

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



40, 7.547, 198.491



50, 11.217, 198.255



37, 6.888, 258.016



20, 2.220, 199.052



42, 27.353, 196.397



86, 47.817, 196.397

Previews

White Background



This preview shows how the CIELCh color 35, 8.503, 20.668 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 35, 8.503, 20.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

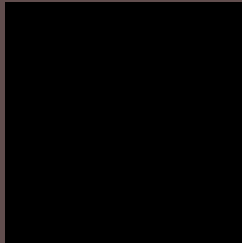
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 8.503, 20.668

Background



This preview shows how black text looks on a background with the CIELCh color 35, 8.503, 20.668.

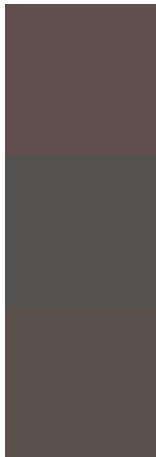


This preview shows how white text looks on a background with the CIELCh color 35, 8.503, 20.668.

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

35, 8.503, 20.668

Protanopia

35, 1.508, 74.764

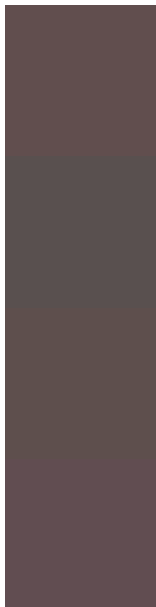
Deuteranopia

35, 5.677, 39.179



Tritanopia
35, 9.506, 357.888

Trichromacy



Original Color
35, 8.503, 20.668

Protanomaly
35, 4.011, 28.808

Deuteranomaly
35, 6.836, 30.756

Tritanomaly
35, 9.163, 5.167

Monochromacy



Original Color
35, 8.503, 20.668

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 3.052, 19.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 8.503, 20.668 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(97, 78, 78)` looks like.

```
.text, #text, p{  
    color:rgb(97, 78, 78)  
}
```

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(97, 78, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 78, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 8.503, 20.668 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(97, 78, 78) }
```

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

```
.border{ border-color:rgb(97, 78, 78) }
```

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

Here you see how a box with a 4 pixel rgb(97, 78, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 78, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 78, 78);  
box-shadow:4px 4px 4px 4px rgb(97, 78, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 8.503, 20.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 78, 78) }
```

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

```
.background{ background-color: rgb(97, 78,  
78) }
```

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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