

Converting Colors

CIELCh(34, 19.957, 116.916)

Have a look what the booklet for
CIELCh(34, 19.957, 116.916)
contains.

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Color

CIELCh(34, 19.917, 116.388)

Conversions

Conversions Part 1

Format	Color
Hex	4C5333
RGB	76, 83, 51
RGB Percent	30%, 33%, 20%
CMY	0.7011, 0.6736, 0.7992
CMYK	0.08, 0.00, 0.38, 0.67
HSL	73°, 24%, 26%
HSV	73°, 38%, 33%
XYZ	6.7117, 8.0082, 4.3488
YIQ	77.2590, 6.1000, -11.4360

Conversions

Conversions Part 2

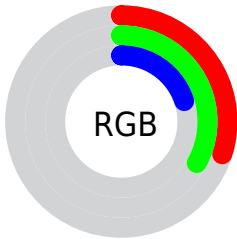
Format	Color
R_{YB}	51, 83, 58
Decimal	5002035
CIE Lab	34.00, -8.85, 17.84
CIE LCh	34, 19.917, 116.388
Yxy	8.0082, 0.3520, 0.4200
Android (android.graphics.Color)	4283192115 (0xFF4C5333)
YUV	77.2590, -12.9457, -1.1041
Hunter-Lab	28.2988, -7.1878, 10.6977

Details

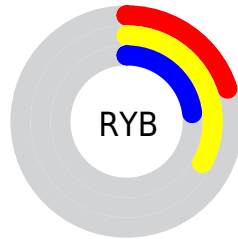
The CIELCh color $34, 19.917, 116.388$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $23, 21.560, 301.621$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 19.603, 116.538$, and $14, 19.654, 115.599$ is the 20% darker color. If you saturate the color by 10%, you get $34, 24.854, 115.823$, and if you desaturate by 10%, it is $34, 14.831, 116.991$.

Distribution



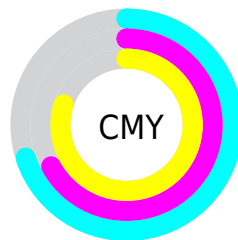
- Red (30%)
- Green (33%)
- Blue (20%)



- Red (20%)
- Yellow (33%)
- Blue (23%)



- Cyan (8%)
- Magenta (0%)
- Yellow (38%)
- Black (67%)



- Cyan (70%)
- Magenta (67%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 19.917, 116.388 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, 19.917, 116.388 by changing the saturation by 10% instead.

 34, 19.917,
116.388

 34, 19.917,
116.388

 100, 19.917,
116.388


 24, 19.917,
116.388

 54, 19.917,
116.388

 14, 19.917,
116.388

 64, 19.917,
116.388

 4, 19.917, 116.388

 74, 19.917,
116.388

 0, 19.917, 116.388

 84, 19.917,
116.388

 94, 19.917,
116.388

■ 34, 19.917,
116.388

■ 34, 19.917,
116.388

■ 34, 24.854,
115.823

■ 34, 14.831,
116.991

■ 33, 29.553,
115.323

■ 35, 9.655, 117.604

■ 35, 4.432, 118.212

■ 33, 33.887,
114.933

■ 35, 0.810, 298.790

■ 33, 37.688,
114.716

■ 36, 6.050, 299.371

■ 33, 40.755,
114.744

■ 36, 11.272,
299.916

■ 33, 43.611,
114.792

■ 37, 16.464,
300.431

■ 33, 44.082,
114.781

■ 37, 21.619,
300.916

■ 38, 26.729,

Harmonies

Complementary

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



34, 19.917, 116.388



23, 21.560, 301.621

Rectangle

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



34, 19.917, 116.388



34, 19.917, 166.388



34, 19.917, 296.388



34, 19.917, 346.388

Sweetspot

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



34, 19.918, 116.390



45, 7.736, 117.974



27, 13.273, 40.944



22, 5.071, 117.940



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



34, 19.918, 116.390



43, 29.084, 115.874



33, 22.437, 134.518



16, 2.878, 118.198



41, 51.732, 115.114



86, 93.106, 115.893

Inverse Universe

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



23, 21.560, 301.621



28, 32.219, 302.510



25, 22.988, 317.761



15, 2.929, 299.251



10, 67.878, 307.831



31, 122.615, 307.321

Previews

White Background



This preview shows how the CIELCh color 34, 19.917, 116.388 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, 19.917, 116.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

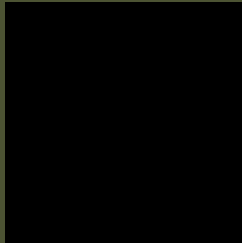
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

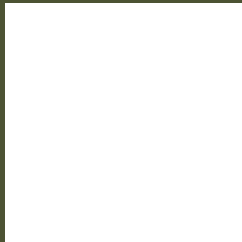
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 19.917, 116.388

Background



This preview shows how black text looks on a background with the CIELCh color 34, 19.917, 116.388.



This preview shows how white text looks on a background with the CIELCh color 34, 19.917, 116.388.

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, 19.917, 116.388

Protanopia

34, 18.851, 96.484

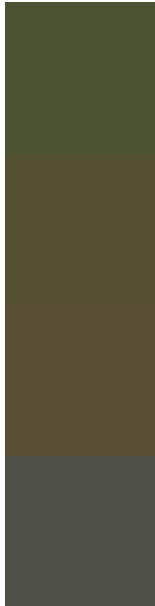
Deuteranopia

34, 17.569, 73.705



Tritanopia
34, 3.874, 303.395

Trichromacy



Original Color
34, 19.917, 116.388

Protanomaly
34, 19.108, 103.926

Deuteranomaly
34, 17.476, 91.047

Tritanomaly
34, 5.076, 119.358

Monochromacy



Original Color
34, 19.917, 116.388

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 6.950, 116.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 19.917, 116.388 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(76, 83, 51)` looks like.

```
.text, #text, p{  
    color:rgb(76, 83, 51)  
}
```

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(76, 83, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 83, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 19.917, 116.388 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(76, 83, 51) }
```

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

```
.border{ border-color:rgb(76, 83, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 83, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 83, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 83, 51);  
box-shadow:4px 4px 4px 4px rgb(76, 83, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 19.917, 116.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 83, 51) }
```

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

```
.background{ background-color: rgb(76, 83,  
51) }
```

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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