

Converting Colors

CIELCh(34, 20.121, 109.461)

Have a look what the booklet for
CIELCh(34, 20.121, 109.461)
contains.

CIELCh(34, 20.262, 109.376)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 20.262, 109.376)

Conversions

Conversions Part 1

Format	Color
Hex	505231
RGB	80, 82, 49
RGB Percent	31%, 32%, 19%
CMY	0.6854, 0.6775, 0.8070
CMYK	0.02, 0.00, 0.40, 0.68
HSL	64°, 25%, 26%
HSV	64°, 40%, 32%
XYZ	6.9213, 8.0082, 4.1105
YIQ	77.6400, 9.4010, -10.6870

Conversions

Conversions Part 2

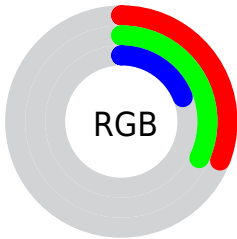
Format	Color
R_{YB}	49, 82, 51
Decimal	5263921
CIE _{Lab}	34.00, -6.72, 19.11
CIE _{LCh}	34, 20.262, 109.376
Yxy	8.0082, 0.3635, 0.4206
Android (android.graphics.Color)	4283454001 (0xFF505231)
YUV	77.6400, -14.1195, 2.0697
Hunter-Lab	28.2988, -5.8654, 11.1971

Details

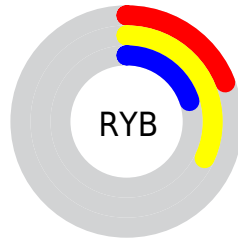
The CIELCh color $[34, 20.262, 109.376]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[22, 22.212, 296.796]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 19.937, 108.931]$, and $[14, 19.948, 109.076]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 25.032, 108.629]$, and if you desaturate by 10%, it is $[34, 15.328, 110.163]$.

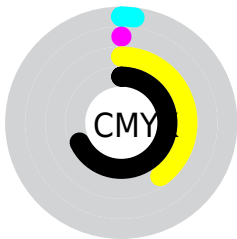
Distribution



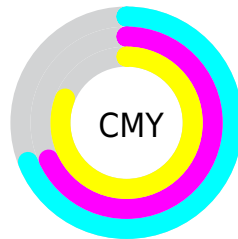
- Red (31%)
- Green (32%)
- Blue (19%)



- Red (19%)
- Yellow (32%)
- Blue (20%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (68%)





- Cyan (69%)
- Magenta (68%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 20.262, 109.376 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, 20.262, 109.376 by changing the saturation by 10% instead.


 34, 20.262,
109.376


 34, 20.262,
109.376

 100, 20.262,
109.376


 24, 20.262,
109.376

 54, 20.262,
109.376


 14, 20.262,
109.376


 64, 20.262,
109.376

 4, 20.262, 109.376

 74, 20.262,
109.376

 0, 20.262, 109.376

 84, 20.262,
109.376

 94, 20.262,
109.376

■ 34, 20.262,
109.376

■ 34, 20.262,
109.376

■ 34, 25.032,
108.629

■ 34, 15.328,
110.163

■ 34, 29.539,
107.939

■ 34, 10.291,
110.961

■ 34, 33.650,
107.341

■ 35, 5.196, 111.757

■ 33, 37.186,
106.876

■ 35, 0.072, 112.245

■ 35, 5.061, 293.322

■ 33, 39.976,
106.579

■ 36, 10.187,
294.063

■ 33, 42.689,
106.283

■ 36, 15.297,
294.777

■ 36, 20.382,
295.458

■ 37, 25.436,
296.107

Harmonies

Complementary

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



34, 20.262, 109.376



22, 22.212, 296.796

Rectangle

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



34, 20.262, 109.376



34, 20.262, 159.376



34, 20.262, 289.376



34, 20.262, 339.376

Sweetspot

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



34, 20.263, 109.379



45, 7.639, 111.577



25, 15.584, 26.403



22, 5.007, 111.532



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, 20.263, 109.379



44, 29.821, 108.663



33, 22.072, 129.107



16, 2.843, 111.871



42, 50.446, 106.392



88, 90.497, 106.635

Inverse Universe

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



22, 22.212, 296.796



26, 33.629, 298.182



24, 23.107, 312.503



15, 2.897, 293.289



9, 69.090, 306.636



29, 124.319, 306.426

Previews

White Background



This preview shows how the CIELCh color 34, 20.262, 109.376 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 34, 20.262, 109.376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

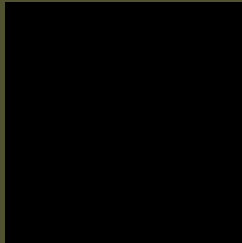
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 20.262, 109.376

Background



This preview shows how black text looks on a background with the CIELCh color 34, 20.262, 109.376.



This preview shows how white text looks on a background with the CIELCh color 34, 20.262, 109.376.

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, 20.262, 109.376

Protanopia

34, 20.032, 96.837

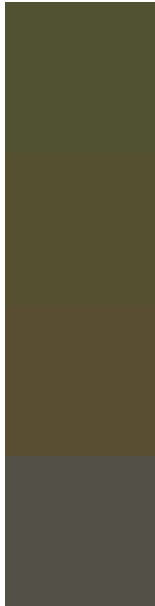
Deuteranopia

34, 18.638, 75.451



Tritanopia
34, 4.579, 324.769

Trichromacy



Original Color
34, 20.262, 109.376

Protanomaly
34, 20.372, 101.124

Deuteranomaly
34, 18.415, 88.433

Tritanomaly
34, 5.771, 95.654

Monochromacy



Original Color
34, 20.262, 109.376

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 7.507, 112.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 20.262, 109.376 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(80, 82, 49)` looks like.

```
.text, #text, p{  
    color:rgb(80, 82, 49)  
}
```

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(80, 82, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 82, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 20.262, 109.376 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(80, 82, 49) }
```

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

```
.border{ border-color:rgb(80, 82, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 82, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 82, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 82, 49);  
box-shadow:4px 4px 4px 4px rgb(80, 82, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 20.262, 109.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 82, 49) }
```

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

```
.background{ background-color: rgb(80, 82,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor