

Converting Colors

CIELCh(34, 20.491, 105.759)

Have a look what the booklet for
CIELCh(34, 20.491, 105.759)
contains.

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Color

CIELCh(34, 20.826, 106.547)

Conversions

Conversions Part 1

Format	Color
Hex	525230
RGB	82, 82, 48
RGB Percent	32%, 32%, 19%
CMY	0.6791, 0.6791, 0.8124
CMYK	0.00, 0.00, 0.42, 0.68
HSL	60°, 26%, 25%
HSV	60°, 42%, 32%
XYZ	7.0003, 8.0082, 3.9564
YIQ	78.1240, 10.9140, -10.5740

Conversions

Conversions Part 2

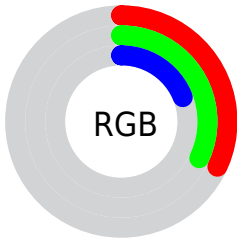
Format	Color
RYB	48, 82, 48
Decimal	5394992
CIELab	34.00, -5.93, 19.96
CIELCh	34, 20.826, 106.547
Yxy	8.0082, 0.3691, 0.4223
Android (android.graphics.Color)	4283585072 (0xFF525230)
YUV	78.1240, -14.8511, 3.3993
Hunter-Lab	28.2988, -5.3674, 11.5200

Details

The CIELCh color **34, 20.826, 106.547** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 22.936, 295.166**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 20.493, 106.408**, and **14, 20.720, 105.675** is the 20% darker color. If you saturate the color by 10%, you get **34, 25.542, 105.722**, and if you desaturate by 10%, it is **34, 15.935, 107.412**.

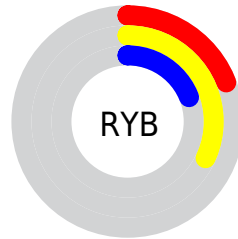
Distribution



Red (32%)

Green (32%)

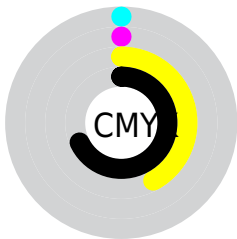
Blue (19%)



Red (19%)

Yellow (32%)

Blue (19%)

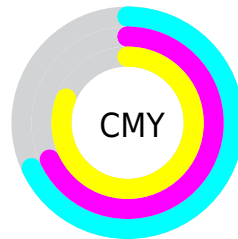


Cyan (0%)

Magenta (0%)

Yellow (42%)

Black (68%)



Cyan (68%)


Magenta (68%)

Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 20.826, 106.547 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, 20.826, 106.547 by changing the saturation by 10% instead.


 34, 20.826,
106.547


 34, 20.826,
106.547

 100, 20.826,
106.547


 24, 20.826,
106.547

 54, 20.826,
106.547


 14, 20.826,
106.547


 64, 20.826,
106.547

 4, 20.826, 106.547

 74, 20.826,
106.547

 0, 20.826, 106.547

 84, 20.826,
106.547

 94, 20.826,
106.547

■ 34, 20.826,
106.547

■ 34, 20.826,
106.547

■ 34, 25.542,
105.722

■ 34, 15.935,
107.412

■ 34, 29.981,
104.951

■ 34, 10.935,
108.291

■ 34, 34.001,
104.262

■ 35, 5.872, 109.172

■ 34, 37.417,
103.687

■ 35, 0.778, 110.009

■ 34, 40.115,
103.241

■ 35, 4.326, 290.918

■ 34, 42.448,
102.862

■ 35, 9.428, 291.748

■ 36, 14.515,
292.553

■ 36, 19.581,
293.327

■ 36, 24.619,

Harmonies

Complementary

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



34, 20.826, 106.547



21, 22.936, 295.166

Rectangle

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



34, 20.826, 106.547



34, 20.826, 156.547



34, 20.826, 286.547



34, 20.826, 336.547

Sweetspot

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



34, 20.827, 106.550



45, 7.628, 109.093



24, 16.852, 22.969



22, 5.000, 109.044



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, 20.827, 106.550



44, 30.938, 105.702



33, 22.423, 127.297



16, 2.839, 109.417



43, 50.319, 102.862



89, 90.238, 102.863

Inverse Universe

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



21, 22.936, 295.166



25, 35.174, 296.908



23, 23.671, 310.953



15, 2.893, 290.998



9, 69.480, 306.288



29, 124.602, 306.288

Previews

White Background



This preview shows how the CIELCh color 34, 20.826, 106.547 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, 20.826, 106.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

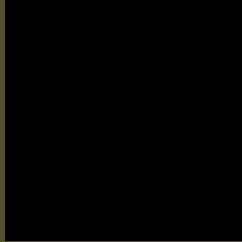
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 20.826, 106.547

Background



This preview shows how black text looks on a background with the CIELCh color 34, 20.826, 106.547.



This preview shows how white text looks on a background with the CIELCh color 34, 20.826, 106.547.

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, 20.826, 106.547

Protanopia

34, 20.716, 95.642

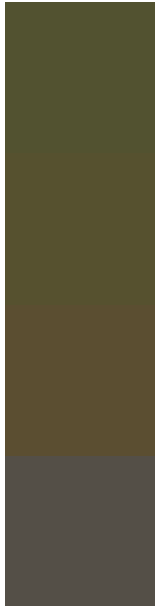
Deuteranopia

34, 19.997, 75.770



Tritanopia
34, 5.112, 332.858

Trichromacy



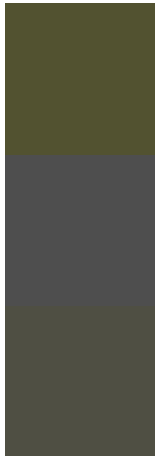
Original Color
34, 20.826, 106.547

Protanomaly
34, 21.017, 99.826

Deuteranomaly
34, 19.168, 87.460

Tritanomaly
34, 5.482, 84.980

Monochromacy



Original Color
34, 20.826, 106.547

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 7.504, 108.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 20.826, 106.547 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(82, 82, 48)` looks like.

```
.text, #text, p{  
    color:rgb(82, 82, 48)  
}
```

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(82, 82, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 82, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 20.826, 106.547 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(82, 82, 48) }
```

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

```
.border{ border-color:rgb(82, 82, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 82, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 82, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 82, 48);  
box-shadow:4px 4px 4px 4px rgb(82, 82, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 20.826, 106.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 82, 48) }
```

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

```
.background{ background-color: rgb(82, 82,  
48) }
```

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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