

Converting Colors

CIELCh(34, 20.191, 137.833)

Have a look what the booklet for
CIELCh(34, 20.191, 137.833)
contains.

CIELCh(34, 20.191, 137.833)	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, 20.191, 137.833)

Conversions

Conversions Part 1

Format	Color
Hex	3F563A
RGB	63, 86, 58
RGB Percent	25%, 34%, 23%
CMY	0.7531, 0.6629, 0.7727
CMYK	0.27, 0.00, 0.33, 0.66
HSL	109°, 19%, 28%
HSV	109°, 33%, 34%
XYZ	6.1335, 8.0082, 5.2195
YIQ	75.9310, -4.7200, -13.5840

Conversions

Conversions Part 2

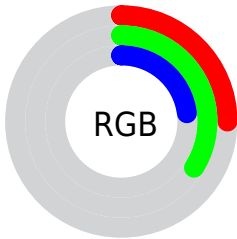
Format	Color
R_{YB}	58, 86, 81
Decimal	4150842
CIE Lab	34.00, -14.97, 13.55
CIE LCh	34, 20.191, 137.833
Yxy	8.0082, 0.3168, 0.4136
Android (android.graphics.Color)	4282340922 (0xFF3F563A)
YUV	75.9310, -8.8400, -11.3405
Hunter-Lab	28.2988, -10.8347, 8.8736

Details

The CIELCh color $[34, 20.191, 137.833]$ is a dark color, and the websafe version is hex $\#336633$. A complement of this color would be $[28, 20.431, 320.789]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 20.523, 137.895]$, and $[14, 20.733, 137.636]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 26.284, 137.216]$, and if you desaturate by 10%, it is $[35, 13.994, 138.401]$.

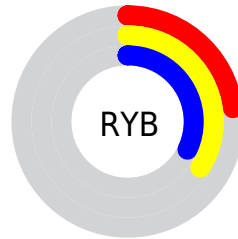
Distribution



Red (25%)

Green (34%)

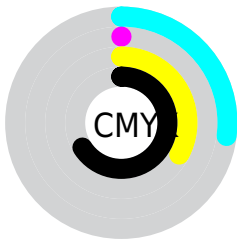
Blue (23%)



Red (23%)

Yellow (34%)

Blue (32%)

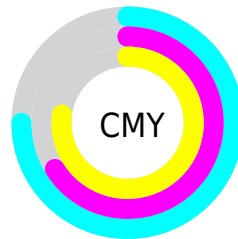


Cyan (27%)

Magenta (0%)

Yellow (33%)

Black (66%)



Cyan (75%)


Magenta (66%)

Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 20.191, 137.833 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, 20.191, 137.833 by changing the saturation by 10% instead.


 34, 20.191,
137.833


 34, 20.191,
137.833

 100, 20.191,
137.833

 24, 20.191,
137.833

 54, 20.191,
137.833


 14, 20.191,
137.833


 64, 20.191,
137.833

 4, 20.191, 137.833

 74, 20.191,
137.833

 0, 20.191, 137.833

 84, 20.191,
137.833

 94, 20.191,
137.833

■ 34, 20.191,
137.833

■ 34, 20.191,
137.833

■ 33, 26.284,
137.216

■ 35, 13.994,
138.401

■ 33, 32.168,
136.564

■ 35, 7.770, 138.913

■ 36, 1.578, 139.418

■ 32, 37.706,
135.912

■ 37, 4.539, 319.709

■ 32, 42.724,
135.321

■ 38, 10.551,
320.063

■ 32, 47.009,
134.875

■ 39, 16.436,
320.360

■ 31, 50.441,
134.597

■ 40, 22.183,
320.615

■ 31, 52.911,
134.127

■ 41, 27.784,
320.834

■ 43, 33.236,
321.022

Harmonies

Complementary

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



34, 20.191, 137.833



28, 20.431, 320.789

Rectangle

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



34, 20.191, 137.833



34, 20.191, 187.833



34, 20.191, 317.833



34, 20.191, 7.833

Sweetspot

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



34, 20.192, 137.834



46, 7.690, 139.021



34, 14.384, 97.951



23, 5.192, 138.981



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



34, 20.192, 137.834



44, 30.038, 137.358



34, 17.003, 152.526



17, 3.476, 139.095



39, 61.924, 134.423



82, 110.949, 135.022

Inverse Universe

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



28, 20.431, 320.789



35, 30.458, 321.095



28, 17.210, 337.171



16, 3.492, 319.789



21, 61.939, 321.777



49, 110.275, 321.369

Previews

White Background



This preview shows how the CIELCh color 34, 20.191, 137.833 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, 20.191, 137.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

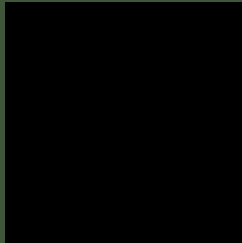
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 20.191, 137.833

Background



This preview shows how black text looks on a background with the CIELCh color 34, 20.191, 137.833.



This preview shows how white text looks on a background with the CIELCh color 34, 20.191, 137.833.

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

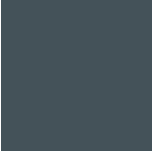
34, 20.191, 137.833

Protanopia

34, 15.772, 96.937

Deuteranopia

34, 13.326, 68.166



Tritanopia
34, 6.982, 237.965

Trichromacy



Original Color
34, 20.191, 137.833

Protanomaly
34, 16.171, 114.065

Deuteranomaly
34, 13.127, 101.699

Tritanomaly
34, 7.828, 174.627

Monochromacy



Original Color
34, 20.191, 137.833

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 8.002, 138.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 20.191, 137.833 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(63, 86, 58)` looks like.

```
.text, #text, p{  
    color:rgb(63, 86, 58)  
}
```

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(63, 86, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 86, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 20.191, 137.833 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(63, 86, 58) }
```

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

```
.border{ border-color:rgb(63, 86, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 86, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 86, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 86, 58);  
box-shadow:4px 4px 4px 4px rgb(63, 86, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 20.191, 137.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 86, 58) }
```

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

```
.background{ background-color: rgb(63, 86,  
58) }
```

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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