

Converting Colors

CIELCh(34, 20.028, 348.104)

Have a look what the booklet for
CIELCh(34, 20.028, 348.104)
contains.

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Color

CIELCh(34, 20.354, 347.689)

Conversions

Conversions Part 1

Format	Color
Hex	6B4457
RGB	107, 68, 87
RGB Percent	42%, 27%, 34%
CMY	0.5791, 0.7322, 0.6577
CMYK	0.00, 0.36, 0.19, 0.58
HSL	331°, 22%, 34%
HSV	331°, 36%, 42%
XYZ	9.9189, 8.0082, 10.1039
YIQ	81.8270, 17.1450, 14.1770

Conversions

Conversions Part 2

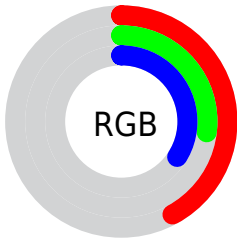
Format	Color
R_{YB}	107, 68, 87
Decimal	7029847
CIE _{Lab}	34.00, 19.89, -4.34
CIE _{LCh}	34, 20.354, 347.689
Yxy	8.0082, 0.3539, 0.2857
Android (android.graphics.Color)	4285219927 (0xFF6B4457)
YUV	81.8270, 2.5503, 22.0767
Hunter-Lab	28.2988, 13.0427, -1.3599

Details

The CIELCh color $[34, 20.354, 347.689]$ is a dark color, and the websafe version is hex $\#663333$. A complement of this color would be $[42, 19.465, 161.064]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 20.213, 347.360]$, and $[14, 20.592, 346.699]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 25.868, 348.908]$, and if you desaturate by 10%, it is $[37, 14.701, 346.625]$.

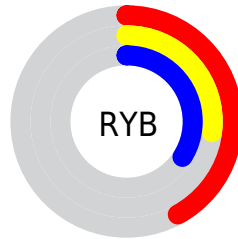
Distribution



Red (42%)

Green (27%)

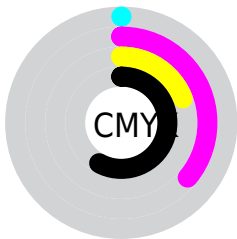
Blue (34%)



Red (42%)

Yellow (27%)

Blue (34%)

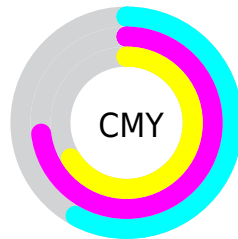


Cyan (0%)

Magenta (36%)

Yellow (19%)

Black (58%)



Cyan (58%)

Magenta (73%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 20.354, 347.689 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, 20.354, 347.689 by changing the saturation by 10% instead.


 34, 20.354,
347.689


 34, 20.354,
347.689

 100, 20.354,
347.689


 24, 20.354,
347.689

 54, 20.354,
347.689

 14, 20.354,
347.689


 64, 20.354,
347.689

 4, 20.354, 347.689

 74, 20.354,
347.689

 0, 20.354, 347.689

 84, 20.354,
347.689

 94, 20.354,
347.689

■ 34, 20.354,
347.689

■ 34, 20.354,
347.689

■ 31, 25.868,
348.908

■ 37, 14.701,
346.625

■ 29, 31.063,
350.331

■ 40, 9.048, 345.673

■ 43, 3.478, 344.781

■ 26, 35.701,
352.033

■ 47, 1.955, 164.220

■ 24, 39.524,
354.115

■ 50, 7.224, 163.418

■ 23, 42.308,
356.703

■ 53, 12.318,
162.753

■ 22, 44.192,
359.784

■ 57, 17.236,
162.146

■ 22, 44.918, 0.877

■ 60, 21.983,
161.584

■ 63, 26.568,

Harmonies

Complementary

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



34, 20.354, 347.689



42, 19.465, 161.064

Rectangle

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



34, 20.354, 347.689



34, 20.354, 37.689



34, 20.354, 167.689



34, 20.354, 217.689

Sweetspot

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



34, 20.352, 347.690



54, 7.535, 345.222



32, 25.834, 310.760



27, 5.108, 345.308



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



34, 20.352, 347.690



42, 30.604, 348.761



33, 18.228, 22.464



21, 3.077, 345.015



24, 47.807, 1.335



53, 81.945, 4.106

Inverse Universe

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



34, 20.352, 347.690



42, 30.604, 348.761



43, 14.366, 197.743



21, 3.077, 345.015



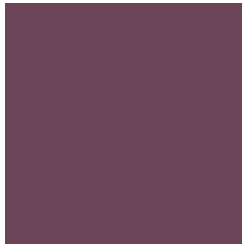
24, 47.807, 1.335



53, 81.945, 4.106

Previews

White Background



This preview shows how the CIELCh color 34, 20.354, 347.689 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, 20.354, 347.689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

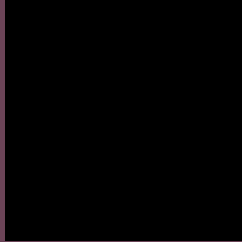
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 20.354, 347.689

Background



This preview shows how black text looks on a background with the CIELCh color 34, 20.354, 347.689.



This preview shows how white text looks on a background with the CIELCh color 34, 20.354, 347.689.

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, 20.354, 347.689

Protanopia

34, 9.447, 284.531

Deuteranopia

34, 6.087, 324.885



Tritanopia
34, 16.623, 9.412

Trichromacy



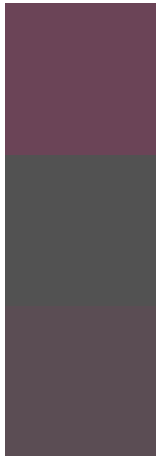
Original Color
34, 20.354, 347.689

Protanomaly
34, 11.257, 317.977

Deuteranomaly
34, 11.411, 340.169

Tritanomaly
34, 17.665, 359.880

Monochromacy



Original Color
34, 20.354, 347.689

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 7.479, 344.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 20.354, 347.689 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(107, 68, 87)` looks like.

```
.text, #text, p{  
    color:rgb(107, 68, 87)  
}
```

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(107, 68, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 68, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 20.354, 347.689 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(107, 68, 87) }
```

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

```
.border{ border-color:rgb(107, 68, 87) }
```

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

Here you see how a box with a 4 pixel rgb(107, 68, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 68, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 68, 87);  
box-shadow:4px 4px 4px 4px rgb(107, 68,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 20.354, 347.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 68, 87) }
```

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

```
.background{ background-color: rgb(107, 68,  
87) }
```

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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