

Converting Colors

CIELCh(34, 20.731, 346.972)

Have a look what the booklet for
CIELCh(34, 20.731, 346.972)
contains.

CIELCh(34, 20.996, 347.011)	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, 20.996, 347.011)

Conversions

Conversions Part 1

Format	Color
Hex	6C4458
RGB	108, 68, 88
RGB Percent	42%, 27%, 35%
CMY	0.5769, 0.7337, 0.6553
CMYK	0.00, 0.37, 0.19, 0.58
HSL	330°, 23%, 34%
HSV	330°, 37%, 42%
XYZ	9.9915, 8.0082, 10.2314
YIQ	82.2400, 17.4200, 14.7000

Conversions

Conversions Part 2

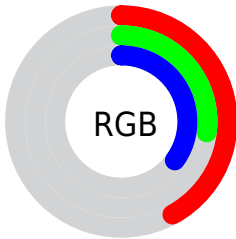
Format	Color
R_{YB}	108, 68, 88
Decimal	7095384
CIE _{Lab}	34.00, 20.46, -4.72
CIE _{LCh}	34, 20.996, 347.011
Yxy	8.0082, 0.3539, 0.2837
Android (android.graphics.Color)	4285285464 (0xFF6C4458)
YUV	82.2400, 2.8397, 22.5915
Hunter-Lab	28.2988, 13.5006, -1.6271

Details

The CIELCh color $34, 20.996, 347.011$ is a dark color, and the websafe version is hex 663333 . A complement of this color would be $42, 20.123, 160.302$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 20.828, 346.706$, and $14, 21.239, 346.060$ is the 20% darker color. If you saturate the color by 10%, you get $31, 26.546, 348.216$, and if you desaturate by 10%, it is $37, 15.287, 345.958$.

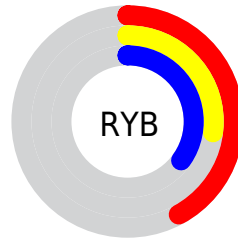
Distribution



Red (42%)

Green (27%)

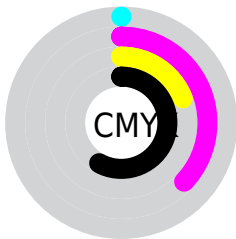
Blue (35%)



Red (42%)

Yellow (27%)

Blue (35%)

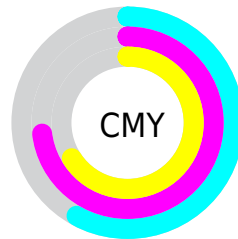


Cyan (0%)

Magenta (37%)

Yellow (19%)

Black (58%)



Cyan (58%)


Magenta (73%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 20.996, 347.011 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, 20.996, 347.011 by changing the saturation by 10% instead.


 34, 20.996,
347.011


 34, 20.996,
347.011

 100, 20.996,
347.011


 24, 20.996,
347.011

 54, 20.996,
347.011


 14, 20.996,
347.011


 64, 20.996,
347.011

 4, 20.996, 347.011

 74, 20.996,
347.011

 0, 20.996, 347.011

 84, 20.996,
347.011

 94, 20.996,
347.011

34, 20.996,
347.011

34, 20.996,
347.011

31, 26.546,
348.216

37, 15.287,
345.958

29, 31.750,
349.621

40, 9.564, 345.014

26, 36.364,
351.298

43, 3.916, 344.134

47, 1.601, 163.596

25, 40.125,
353.347

50, 6.957, 162.769

23, 42.813,
355.893

53, 12.138,
162.104

22, 44.635,
358.888

57, 17.142,
161.497

22, 45.208,
359.743

60, 21.975,
160.936

63, 26.644,

Harmonies

Complementary

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



34, 20.996, 347.011



42, 20.123, 160.302

Rectangle

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



34, 20.996, 347.011



34, 20.996, 37.011



34, 20.996, 167.011



34, 20.996, 217.011

Sweetspot

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



34, 20.994, 347.012



54, 7.600, 344.505



32, 26.408, 310.254



27, 5.152, 344.591



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, 20.994, 347.012



42, 30.821, 347.979



33, 18.645, 21.310



21, 3.104, 344.301



24, 47.927, 0.158



53, 82.063, 2.837

Inverse Universe

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



34, 20.994, 347.012



42, 30.821, 347.979



43, 14.728, 196.126



21, 3.104, 344.301



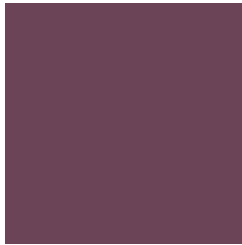
24, 47.927, 0.158



53, 82.063, 2.837

Previews

White Background



This preview shows how the CIELCh color 34, 20.996, 347.011 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, 20.996, 347.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

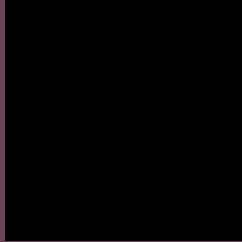
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 20.996, 347.011

Background



This preview shows how black text looks on a background with the CIELCh color 34, 20.996, 347.011.



This preview shows how white text looks on a background with the CIELCh color 34, 20.996, 347.011.

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, 20.996, 347.011

Protanopia

34, 9.447, 284.531

Deuteranopia

34, 5.860, 321.386



Tritanopia
34, 17.030, 11.915

Trichromacy



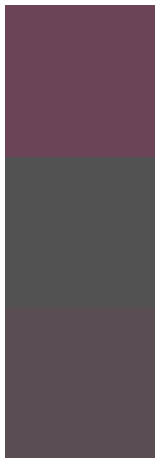
Original Color
34, 20.996, 347.011

Protanomaly
34, 11.257, 317.977

Deuteranomaly
34, 11.507, 336.265

Tritanomaly
34, 18.077, 0.529

Monochromacy



Original Color
34, 20.996, 347.011

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, 20.996, 347.011 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(108, 68, 88)` looks like.

```
.text, #text, p{  
    color:rgb(108, 68, 88)  
}
```

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(108, 68, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 68, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 20.996, 347.011 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(108, 68, 88) }
```

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

```
.border{ border-color:rgb(108, 68, 88) }
```

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

Here you see how a box with a 4 pixel rgb(108, 68, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 68, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 68, 88);  
box-shadow:4px 4px 4px 4px rgb(108, 68,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 20.996, 347.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 68, 88) }
```

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

```
.background{ background-color: rgb(108, 68,  
88) }
```

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