

Converting Colors

CIELCh(34, 15.427, 296.428)

Have a look what the booklet for
CIELCh(34, 15.427, 296.428)
contains.

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Color

CIELCh(34, 15.785, 297.008)

Conversions

Conversions Part 1

Format	Color
Hex	504D66
RGB	80, 77, 102
RGB Percent	31%, 30%, 40%
CMY	0.6856, 0.6974, 0.5993
CMYK	0.22, 0.24, 0.00, 0.60
HSL	247°, 14%, 35%
HSV	247°, 24%, 40%
XYZ	8.3966, 8.0082, 13.7211
YIQ	80.7470, -6.2370, 8.4110

Conversions

Conversions Part 2

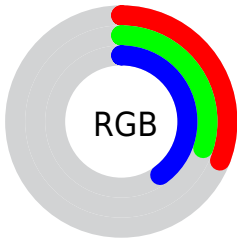
Format	Color
R_{YB}	80, 77, 102
Decimal	5262694
CIE _{Lab}	34.00, 7.17, -14.06
CIE _{LCh}	34, 15.785, 297.008
Yxy	8.0082, 0.2787, 0.2658
Android (android.graphics.Color)	4283452774 (0xFF504D66)
YUV	80.7470, 10.4777, -0.6551
Hunter-Lab	28.2988, 3.4403, -8.9385

Details

The CIELCh color $[34, 15.785, 297.008]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[42, 14.979, 113.086]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 15.695, 297.425]$, and $[14, 15.744, 297.378]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 22.660, 298.102]$, and if you desaturate by 10%, it is $[38, 9.162, 296.053]$.

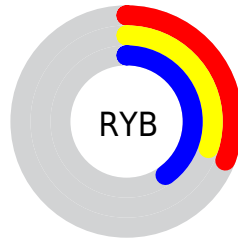
Distribution



 Red (31%)

 Green (30%)

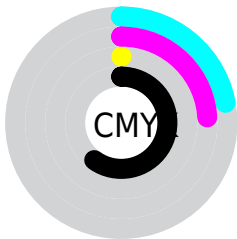
 Blue (40%)



 Red (31%)

 Yellow (30%)

 Blue (40%)

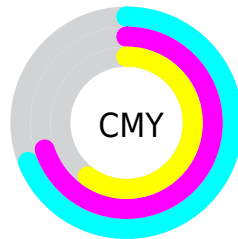


 Cyan (22%)

 Magenta (24%)

 Yellow (0%)

 Black (60%)



 Cyan (69%)


 Magenta (70%)


 Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 15.785, 297.008 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, 15.785, 297.008 by changing the saturation by 10% instead.


 34, 15.785,
297.008


 34, 15.785,
297.008

 100, 15.785,
297.008


 24, 15.785,
297.008

 54, 15.785,
297.008


 14, 15.785,
297.008


 64, 15.785,
297.008

 4, 15.785, 297.008

 74, 15.785,
297.008

 0, 15.785, 297.008

 84, 15.785,
297.008

 94, 15.785,
297.008

■ 34, 15.785,
297.008

■ 34, 15.785,
297.008

■ 30, 22.660,
298.102

■ 38, 9.162, 296.053

■ 26, 29.785,
299.344

■ 42, 2.784, 295.229

■ 45, 3.364, 114.506

■ 23, 37.126,
300.726

■ 49, 9.296, 113.890

■ 19, 44.579,
302.210

■ 53, 15.026,
113.356

■ 16, 51.902,
303.710

■ 56, 20.567,
112.893

■ 13, 58.622,
305.072

■ 60, 25.931,
112.492

■ 11, 64.265,
306.192

■ 64, 31.130,
112.143

■ 9, 67.596, 307.006

■ 67, 36.173,

Harmonies

Complementary

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



34, 15.785, 297.008



42, 14.979, 113.086

Rectangle

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



34, 15.785, 297.008



34, 15.785, 347.008



34, 15.785, 117.008



34, 15.785, 167.008

Sweetspot

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



34, 15.784, 297.007



52, 5.419, 295.441



40, 8.688, 210.270



26, 3.494, 295.466



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



34, 15.784, 297.007



42, 23.405, 297.575



35, 16.851, 314.024



19, 3.513, 295.580



11, 73.468, 306.929



31, 127.985, 306.640

Inverse Universe

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



36, 17.096, 329.236



45, 25.080, 329.540



41, 16.467, 132.016



20, 3.894, 328.348



25, 58.570, 333.418



56, 101.020, 333.777

Previews

White Background



This preview shows how the CIELCh color 34, 15.785, 297.008 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, 15.785, 297.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

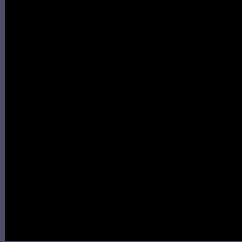
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 15.785, 297.008

Background



This preview shows how black text looks on a background with the CIELCh color 34, 15.785, 297.008.



This preview shows how white text looks on a background with the CIELCh color 34, 15.785, 297.008.

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

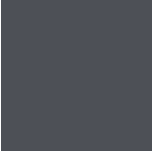
34, 15.785, 297.008

Protanopia

34, 15.738, 285.985

Deuteranopia

34, 15.079, 289.832



Tritanopia
34, 3.942, 272.411

Trichromacy



Original Color
34, 15.785, 297.008

Protanomaly
34, 15.703, 290.062

Deuteranomaly
34, 15.072, 292.711

Tritanomaly
34, 8.164, 288.738

Monochromacy



Original Color
34, 15.785, 297.008

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 5.662, 295.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 15.785, 297.008 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, 77, 102)` looks like.

```
.text, #text, p{  
    color:rgb(80, 77, 102)  
}
```

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, 77, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 77, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 15.785, 297.008 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, 77, 102) }
```

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

```
.border{ border-color:rgb(80, 77, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 77, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 77, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 77, 102);  
box-shadow:4px 4px 4px 4px rgb(80, 77,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 15.785, 297.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 77, 102) }
```

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

```
.background{ background-color: rgb(80, 77,  
102) }
```

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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