

Converting Colors

CIELCh(30, 16.004, 322.231)

Have a look what the booklet for
CIELCh(30, 16.004, 322.231)
contains.

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Color

CIELCh(30, 16.200, 321.769)

Conversions

Conversions Part 1

Format	Color
Hex	534056
RGB	83, 64, 86
RGB Percent	33%, 25%, 34%
CMY	0.6732, 0.7477, 0.6614
CMYK	0.03, 0.25, 0.00, 0.66
HSL	292°, 15%, 30%
HSV	292°, 25%, 34%
XYZ	7.1431, 6.2359, 9.7038
YIQ	72.1890, 4.2620, 10.8700

Conversions

Conversions Part 2

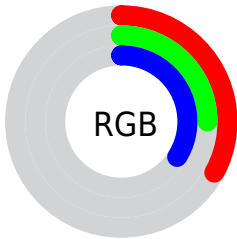
Format	Color
R_{YB}	83, 64, 86
Decimal	5455958
CIE _{Lab}	30.00, 12.73, -10.03
CIE _{LCh}	30, 16.200, 321.769
Yxy	6.2359, 0.3095, 0.2702
Android (android.graphics.Color)	4283646038 (0xFF534056)
YUV	72.1890, 6.8088, 9.4812
Hunter-Lab	24.9718, 7.3584, -5.5593

Details

The CIELCh color $[30, 16.200, 321.769]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[35, 16.084, 139.407]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 16.302, 321.802]$, and $[10, 16.521, 322.041]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 22.568, 322.189]$, and if you desaturate by 10%, it is $[33, 9.800, 321.334]$.

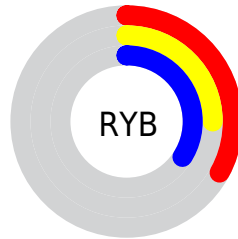
Distribution



 Red (33%)

 Green (25%)

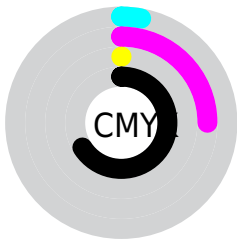
 Blue (34%)



 Red (33%)

 Yellow (25%)

 Blue (34%)

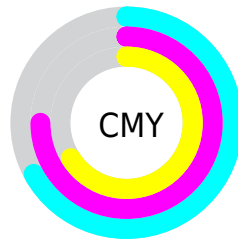


 Cyan (3%)

 Magenta (25%)

 Yellow (0%)

 Black (66%)



 Cyan (67%)


 Magenta (75%)


 Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 16.200, 321.769 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 30, 16.200, 321.769 by changing the saturation by 10% instead.


 30, 16.200,
321.769


 30, 16.200,
321.769

 100, 16.200,
321.769


 20, 16.200,
321.769


 50, 16.200,
321.769


 10, 16.200,
321.769

 60, 16.200,
321.769

 0, 16.200, 321.769

 70, 16.200,
321.769

 80, 16.200,
321.769

 90, 16.200,
321.769

30, 16.200,
321.769

30, 16.200,
321.769

28, 22.568,
322.189

33, 9.800, 321.334

25, 28.794,
322.581

35, 3.452, 320.880

38, 2.794, 140.538

23, 34.721,
322.924

41, 8.906, 140.101

21, 40.151,
323.196

43, 14.866,
139.708

19, 44.854,
323.369

46, 20.666,
139.340

18, 48.604,
323.418

49, 26.304,
138.996

17, 51.594,
323.376

52, 31.782,
138.676

16, 53.010,

54, 37.104,

323.376

138.380

Harmonies

Complementary

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



30, 16.200, 321.769



35, 16.084, 139.407

Rectangle

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



30, 16.200, 321.769



30, 16.200, 11.769



30, 16.200, 141.769



30, 16.200, 191.769

Sweetspot

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



30, 16.199, 321.769



45, 6.250, 321.011



29, 12.087, 286.266



22, 4.397, 321.058



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



30, 16.199, 321.769



37, 24.472, 322.046



30, 13.210, 338.129



16, 3.535, 321.035



21, 61.636, 323.246



50, 109.677, 322.924

Inverse Universe

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



30, 10.264, 10.555



37, 15.746, 11.355



35, 13.043, 154.515



16, 2.160, 8.846



21, 49.617, 30.703



49, 91.781, 34.586

Previews

White Background



This preview shows how the CIE LCh color 30, 16.200, 321.769 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 30, 16.200, 321.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

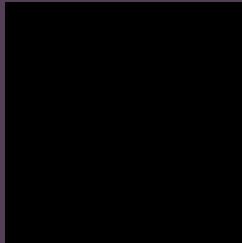
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 16.200, 321.769

Background



This preview shows how black text looks on a background with the CIELCh color 30, 16.200, 321.769.

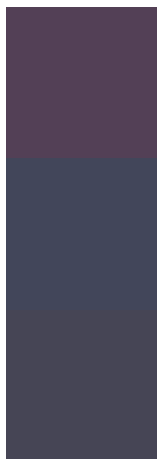


This preview shows how white text looks on a background with the CIELCh color 30, 16.200, 321.769.

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

30, 16.200, 321.769

Protanopia

30, 12.859, 285.580

Deuteranopia

30, 10.282, 294.330



Tritanopia
30, 7.017, 353.614

Trichromacy



Original Color
30, 16.200, 321.769

Protanomaly
30, 13.605, 299.356

Deuteranomaly
30, 12.072, 308.072

Tritanomaly
30, 9.919, 336.036

Monochromacy



Original Color
30, 16.200, 321.769

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 5.961, 321.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 16.200, 321.769 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(83, 64, 86)` looks like.

```
.text, #text, p{  
    color:rgb(83, 64, 86)  
}
```

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(83, 64, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 64, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 16.200, 321.769 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(83, 64, 86) }
```

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

```
.border{ border-color:rgb(83, 64, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 64, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 64, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 64, 86);  
box-shadow:4px 4px 4px 4px rgb(83, 64, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 16.200, 321.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 64, 86) }
```

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

```
.background{ background-color: rgb(83, 64,  
86) }
```

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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