

Converting Colors

CIELCh(31, 13.327, 325.463)

Have a look what the booklet for
CIELCh(31, 13.327, 325.463)
contains.

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Color

CIELCh(31, 13.784, 325.492)

Conversions

Conversions Part 1

Format	Color
Hex	554355
RGB	85, 67, 85
RGB Percent	33%, 26%, 33%
CMY	0.6656, 0.7362, 0.6656
CMYK	0.00, 0.21, 0.00, 0.67
HSL	300°, 12%, 30%
HSV	300°, 21%, 33%
XYZ	7.4462, 6.6515, 9.5443
YIQ	74.4340, 4.9500, 9.4140

Conversions

Conversions Part 2

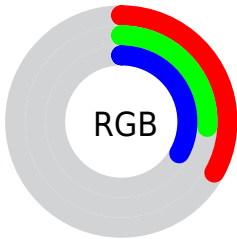
Format	Color
R_{YB}	85, 67, 85
Decimal	5587797
CIE _{Lab}	31.00, 11.36, -7.81
CIE _{LCh}	31, 13.784, 325.492
Yxy	6.6515, 0.3150, 0.2813
Android (android.graphics.Color)	4283777877 (0xFF554355)
YUV	74.4340, 5.2090, 9.2664
Hunter-Lab	25.7905, 6.4028, -3.8882

Details

The CIELCh color **31, 13.784, 325.492** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **34, 13.773, 143.217**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 14.093, 325.211**, and **11, 13.800, 326.146** is the 20% darker color. If you saturate the color by 10%, you get **29, 20.293, 325.987**, and if you desaturate by 10%, it is **33, 7.231, 324.982**.

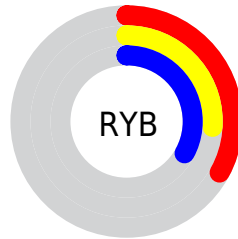
Distribution



Red (33%)

Green (26%)

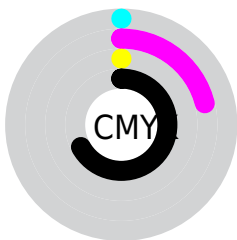
Blue (33%)



Red (33%)

Yellow (26%)

Blue (33%)

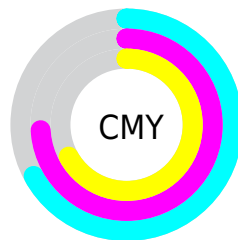


Cyan (0%)

Magenta (21%)

Yellow (0%)

Black (67%)



Cyan (67%)


Magenta (74%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 13.784, 325.492 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 31, 13.784, 325.492 by changing the saturation by 10% instead.


 31, 13.784,
325.492


 31, 13.784,
325.492

 100, 13.784,
325.492


 21, 13.784,
325.492

 51, 13.784,
325.492


 11, 13.784,
325.492


 61, 13.784,
325.492

 1, 13.784, 325.492

 71, 13.784,
325.492

 0, 13.784, 325.492

 81, 13.784,
325.492

 91, 13.784,
325.492

■ 31, 13.784,
325.492

■ 31, 13.784,
325.492

■ 29, 20.293,
325.987

■ 33, 7.231, 324.982

■ 26, 26.642,
326.460

■ 36, 0.726, 324.309

■ 39, 5.674, 144.033

■ 24, 32.671,
326.899

■ 41, 11.932,
143.541

■ 23, 38.188,
327.292

■ 44, 18.026,
143.075

■ 21, 42.981,
327.625

■ 47, 23.946,
142.632

■ 20, 46.848,
327.889

■ 49, 29.689,
142.213

■ 19, 49.695,
328.080

■ 52, 35.257,
141.817

■ 18, 52.066,

328.236

 55, 40.656,
141.445

Harmonies

Complementary

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



31, 13.784, 325.492



34, 13.773, 143.217

Rectangle

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



31, 13.784, 325.492



31, 13.784, 15.492



31, 13.784, 145.492



31, 13.784, 195.492

Sweetspot

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



31, 13.783, 325.492



44, 4.790, 324.720



29, 11.602, 292.347



22, 3.203, 324.738



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 13.783, 325.492



39, 20.082, 325.726



31, 9.779, 345.328



16, 3.685, 324.861



24, 61.031, 328.236



56, 108.493, 328.237

Inverse Universe

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



31, 13.783, 325.492



39, 20.082, 325.726



35, 9.545, 161.974



16, 3.685, 324.861



24, 61.031, 328.236



56, 108.493, 328.237

Previews

White Background



This preview shows how the CIE LCh color 31, 13.784, 325.492 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 31, 13.784, 325.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

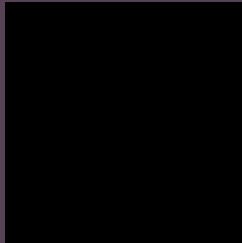
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 13.784, 325.492

Background



This preview shows how black text looks on a background with the CIELCh color 31, 13.784, 325.492.



This preview shows how white text looks on a background with the CIELCh color 31, 13.784, 325.492.

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


31, 13.784, 325.492

Protanopia

31, 10.875, 285.862

Deuteranopia

31, 9.113, 302.216



Tritanopia
31, 7.658, 350.928

Trichromacy



Original Color
31, 13.784, 325.492

Protanomaly
31, 11.715, 302.202

Deuteranomaly
31, 10.323, 313.167

Tritanomaly
31, 9.877, 336.008

Monochromacy



Original Color
31, 13.784, 325.492

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 5.403, 324.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 13.784, 325.492 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(85, 67, 85)` looks like.

```
.text, #text, p{  
    color:rgb(85, 67, 85)  
}
```

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(85, 67, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 67, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 13.784, 325.492 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(85, 67, 85) }
```

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

```
.border{ border-color:rgb(85, 67, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 67, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 67, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 67, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 67, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 13.784, 325.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 67, 85) }
```

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

```
.background{ background-color: rgb(85, 67,  
85) }
```

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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