

Converting Colors

CIELCh(18, 31.145, 314.373)

Have a look what the booklet for
CIELCh(18, 31.145, 314.373)
contains.

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Color

CIELCh(18, 30.766, 314.161)

Conversions

Conversions Part 1

Format	Color
Hex	3A214C
RGB	58, 33, 76
RGB Percent	23%, 13%, 30%
CMY	0.7722, 0.8702, 0.7016
CMYK	0.24, 0.57, 0.00, 0.70
HSL	275°, 39%, 21%
HSV	275°, 57%, 30%
XYZ	3.6045, 2.5180, 7.1508
YIQ	45.3770, 1.0970, 18.6730

Conversions

Conversions Part 2

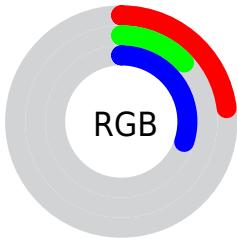
Format	Color
R_{YB}	58, 33, 76
Decimal	3809612
CIE Lab	18.00, 21.43, -22.07
CIE LCh	18, 30.766, 314.161
Yxy	2.5180, 0.2716, 0.1897
Android (android.graphics.Color)	4281999692 (0xFF3A214C)
YUV	45.3770, 15.0971, 11.0704
Hunter-Lab	15.8683, 12.7768, -15.6104

Details

The CIELCh color **18, 30.766, 314.161** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **29, 28.996, 129.508**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 30.874, 314.635**, and **2, 18.872, 300.235** is the 20% darker color. If you saturate the color by 10%, you get **16, 36.025, 314.493**, and if you desaturate by 10%, it is **20, 25.293, 313.766**.

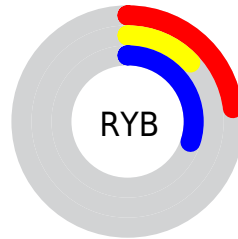
Distribution



Red (23%)

Green (13%)

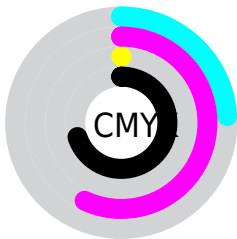
Blue (30%)



Red (23%)

Yellow (13%)

Blue (30%)

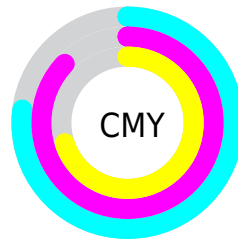


Cyan (24%)

Magenta (57%)

Yellow (0%)

Black (70%)



Cyan (77%)


Magenta (87%)


Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 30.766, 314.161 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 18, 30.766, 314.161 by changing the saturation by 10% instead.

 18, 30.766,
314.161


 18, 30.766,
314.161


 100, 30.766,
314.161


 8, 30.766, 314.161


 38, 30.766,
314.161

 0, 30.766, 314.161

 48, 30.766,
314.161


 58, 30.766,
314.161


 68, 30.766,
314.161


 78, 30.766,
314.161


 88, 30.766,


314.161


 98, 30.766,
314.161


 18, 30.766,
314.161


 18, 30.766,
314.161


 16, 36.025,
314.493


 20, 25.293,
313.766

 14, 40.874,
314.714


 23, 19.747,
313.342

 12, 45.060,
314.763

 25, 14.219,
312.913

 10, 49.115,
314.849

 28, 8.765, 312.494

 10, 50.714,
314.960

 31, 3.420, 312.086

 33, 1.797, 131.779

■ 36, 6.880, 131.410

■ 39, 11.824,
131.097

■ 41, 16.633,
130.816

Harmonies

Complementary

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



18, 30.766, 314.161



29, 28.996, 129.508

Rectangle

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



18, 30.766, 314.161



18, 30.766, 4.161



18, 30.766, 134.161



18, 30.766, 184.161

Sweetspot

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



18, 30.765, 314.161



37, 11.273, 312.540



21, 17.323, 272.066



18, 7.610, 312.579



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



18, 30.765, 314.161



21, 45.761, 314.599



21, 31.162, 329.117



14, 2.948, 312.174



15, 62.275, 314.522



39, 113.373, 313.754

Inverse Universe

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



20, 22.809, 354.442



24, 33.370, 357.039



28, 31.379, 141.979



14, 2.211, 348.917



20, 43.079, 6.808



49, 78.186, 10.658

Previews

White Background



This preview shows how the CIE LCh color 18, 30.766, 314.161 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 18, 30.766, 314.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

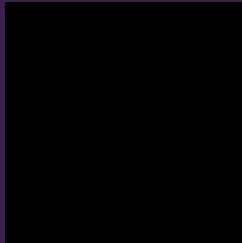
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 30.766, 314.161

Background



This preview shows how black text looks on a background with the CIELCh color 18, 30.766, 314.161.



This preview shows how white text looks on a background with the CIELCh color 18, 30.766, 314.161.

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

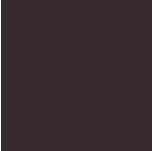
18, 30.766, 314.161

Protanopia

18, 29.826, 284.973

Deuteranopia

18, 20.575, 276.904



Tritanopia
18, 6.407, 355.582

Trichromacy



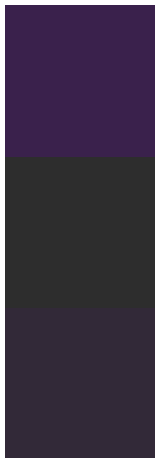
Original Color
18, 30.766, 314.161

Protanomaly
17, 29.704, 293.631

Deuteranomaly
18, 23.465, 292.410

Tritanomaly
18, 14.547, 324.335

Monochromacy



Original Color
18, 30.766, 314.161

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 11.146, 313.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 30.766, 314.161 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(58, 33, 76)` looks like.

```
.text, #text, p{  
    color:rgb(58, 33, 76)  
}
```

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(58, 33, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 33, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 30.766, 314.161 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(58, 33, 76) }
```

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

```
.border{ border-color:rgb(58, 33, 76) }
```

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

Here you see how a box with a 4 pixel rgb(58, 33, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 33, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 33, 76);  
box-shadow:4px 4px 4px 4px rgb(58, 33, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 30.766, 314.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 33, 76) }
```

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

```
.background{ background-color: rgb(58, 33,  
76) }
```

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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