

Converting Colors

CIELCh(30, 3.150, 354.533)

Have a look what the booklet for
CIELCh(30, 3.150, 354.533) contains.

CIELCh(30, 2.963, 354.282)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 2.963, 354.282)

Conversions

Conversions Part 1

Format	Color
Hex	4B4547
RGB	75, 69, 71
RGB Percent	29%, 27%, 28%
CMY	0.7052, 0.7288, 0.7209
CMYK	0.00, 0.08, 0.05, 0.71
HSL	340°, 4%, 28%
HSV	340°, 8%, 29%
XYZ	6.1954, 6.2359, 6.8659
YIQ	71.0220, 2.9340, 1.8940

Conversions

Conversions Part 2

Format	Color
R_YB	75, 69, 71
Decimal	4932935
CIE Lab	30.00, 2.95, -0.30
CIE LCh	30, 2.963, 354.282
Yxy	6.2359, 0.3211, 0.3232
Android (android.graphics.Color)	4283123015 (0xFF4B4547)
YUV	71.0220, -0.0108, 3.4887
Hunter-Lab	24.9718, 0.5844, 1.1786

Details

The CIELCh color **30, 2.963, 354.282** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 2.906, 173.130**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 3.077, 357.350**, and **10, 2.963, 350.463** is the 20% darker color. If you saturate the color by 10%, you get **28, 6.782, 355.261**, and if you desaturate by 10%, it is **32, 0.731, 173.864**.

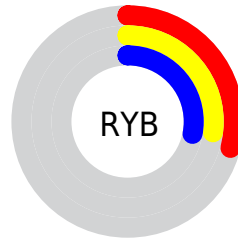
Distribution



Red (29%)

Green (27%)

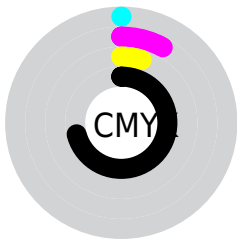
Blue (28%)



Red (29%)

Yellow (27%)

Blue (28%)

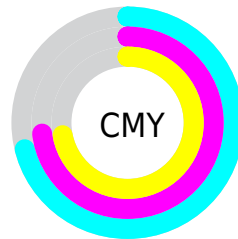


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (71%)



Cyan (71%)

Magenta (73%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 2.963, 354.282 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, 2.963, 354.282 by changing the saturation by 10% instead.

■ 30, 2.963, 354.282

■ 30, 2.963, 354.282

■ 100, 2.963,
354.282

■ 20, 2.963, 354.282

■ 50, 2.963, 354.282

■ 10, 2.963, 354.282

■ 60, 2.963, 354.282

■ 0, 2.963, 354.282

■ 70, 2.963, 354.282

■ 80, 2.963, 354.282

■ 90, 2.963, 354.282

■ 30, 2.963, 354.282

■ 30, 2.963, 354.282

■ 28, 6.782, 355.261

■ 32, 0.731, 173.864

25, 10.704,
356.326

35, 4.285, 172.862

23, 14.680,
357.548

37, 7.698, 172.167

21, 18.639,
358.981

40, 10.974,
171.545

19, 22.472, 0.692

42, 14.120,
170.977

17, 26.046, 2.772

45, 17.145,
170.455

16, 29.207, 5.337

48, 20.057,
169.971

14, 31.832, 8.504

50, 22.867,
169.522

13, 34.502, 11.571

53, 25.583,
169.103

Harmonies

Complementary

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



30, 2.963, 354.282



31, 2.906, 173.130

Rectangle

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



30, 2.963, 354.282



30, 2.963, 44.282



30, 2.963, 174.282



30, 2.963, 224.282

Sweetspot

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



30, 2.962, 354.292



40, 0.908, 353.570



30, 4.241, 314.945



20, 0.509, 353.512



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 2.962, 354.292



38, 4.597, 354.521



30, 2.323, 35.538



14, 2.103, 354.360



20, 43.578, 14.637



49, 80.113, 18.927

Inverse Universe

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



30, 2.962, 354.292



38, 4.597, 354.521



31, 2.221, 215.888



14, 2.103, 354.360



20, 43.578, 14.637



49, 80.113, 18.927

Previews

White Background



This preview shows how the CIELCh color 30, 2.963, 354.282 looks on a white background.

Color Contrast Check

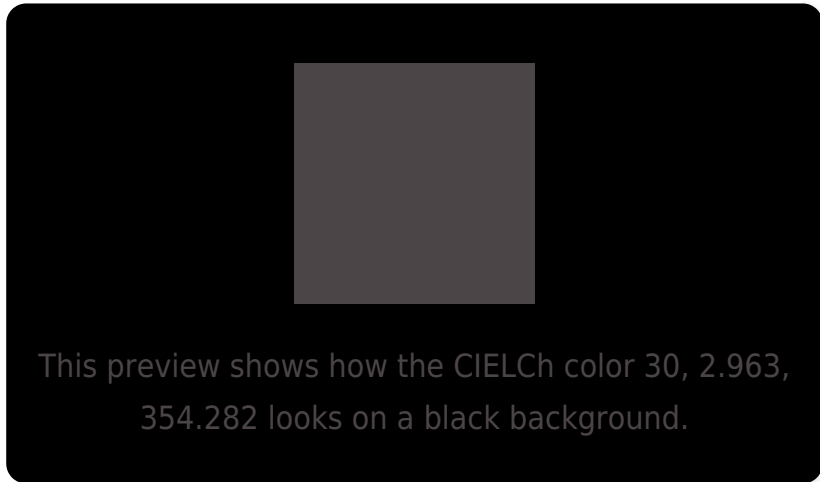
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

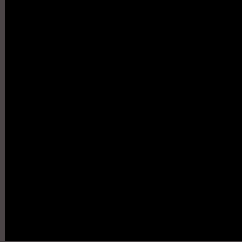
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 2.963, 354.282

Background



This preview shows how black text looks on a background with the CIELCh color 30, 2.963, 354.282.

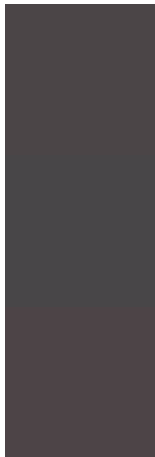


This preview shows how white text looks on a background with the CIELCh color 30, 2.963, 354.282.

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, 2.963, 354.282

Protanopia

30, 1.564, 324.498

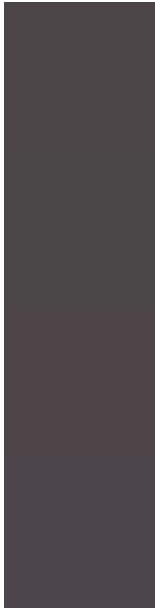
Deuteranopia

30, 4.452, 354.639



Tritanopia
30, 4.452, 334.234

Trichromacy



Original Color

30, 2.963, 354.282

Protanomaly

30, 1.850, 335.829

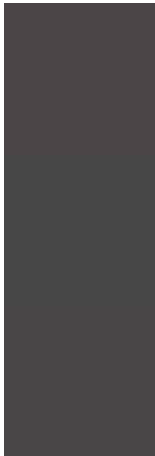
Deuteranomaly

30, 4.052, 351.797

Tritanomaly

30, 4.023, 340.589

Monochromacy



Original Color

30, 2.963, 354.282

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 1.479, 353.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 2.963, 354.282 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(75, 69, 71)` looks like.

```
.text, #text, p{  
    color:rgb(75, 69, 71)  
}
```

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(75, 69, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 69, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 2.963, 354.282 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(75, 69, 71) }
```

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

```
.border{ border-color:rgb(75, 69, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 69, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 69, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 69, 71);  
box-shadow:4px 4px 4px 4px rgb(75, 69, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 2.963, 354.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 69, 71) }
```

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

```
.background{ background-color: rgb(75, 69,  
71) }
```

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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