

Converting Colors

CIELCh(30, 7.578, 149.206)

Have a look what the booklet for
CIELCh(30, 7.578, 149.206) contains.

CIELCh(30, 7.587, 149.028)	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, 7.587, 149.028)

Conversions

Conversions Part 1

Format	Color
Hex	3E4940
RGB	62, 73, 64
RGB Percent	24%, 29%, 25%
CMY	0.7552, 0.7120, 0.7473
CMYK	0.15, 0.00, 0.12, 0.71
HSL	131°, 8%, 27%
HSV	131°, 15%, 29%
XYZ	5.3626, 6.2359, 5.8356
YIQ	68.6850, -3.6670, -5.1310

Conversions

Conversions Part 2

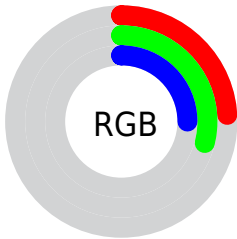
Format	Color
RYB	62, 71, 73
Decimal	4081984
CIELab	30.00, -6.51, 3.90
CIElCh	30, 7.587, 149.028
Yxy	6.2359, 0.3076, 0.3577
Android (android.graphics.Color)	4282272064 (0xFF3E4940)
YUV	68.6850, -2.3097, -5.8627
Hunter-Lab	24.9718, -5.3685, 3.6249

Details

The CIELCh color **30, 7.587, 149.028** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 7.611, 330.703**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 7.635, 148.820**, and **10, 6.951, 149.769** is the 20% darker color. If you saturate the color by 10%, you get **29, 12.680, 148.319**, and if you desaturate by 10%, it is **31, 2.511, 149.679**.

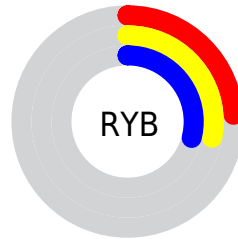
Distribution



Red (24%)

Green (29%)

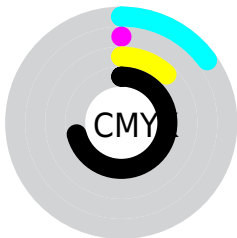
Blue (25%)



Red (24%)

Yellow (28%)

Blue (29%)

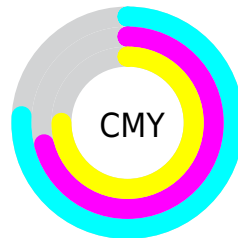


Cyan (15%)

Magenta (0%)

Yellow (12%)

Black (71%)



Cyan (76%)

Magenta (71%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 7.587, 149.028 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, 7.587, 149.028 by changing the saturation by 10% instead.

■ 30, 7.587, 149.028

■ 30, 7.587, 149.028

■ 100, 7.587,
149.028

■ 20, 7.587, 149.028

■ 50, 7.587, 149.028

■ 10, 7.587, 149.028

■ 60, 7.587, 149.028

■ 0, 7.587, 149.028

■ 70, 7.587, 149.028

■ 80, 7.587, 149.028

■ 90, 7.587, 149.028

■ 30, 7.587, 149.028

■ 30, 7.587, 149.028

■ 29, 12.680,
148.319

■ 31, 2.511, 149.679

■ 29, 17.733,
147.514

■ 32, 2.506, 330.097

■ 28, 22.676,
146.596

■ 33, 7.432, 330.607

■ 28, 27.429,
145.555

■ 34, 12.245,
331.031

■ 27, 31.902,
144.387

■ 35, 16.930,
331.403

■ 27, 36.000,
143.098

■ 36, 21.479,
331.734

■ 27, 39.628,
141.713

■ 37, 25.890,
332.030

■ 26, 42.821,
140.468

■ 38, 30.162,
332.296

■ 26, 44.306,
140.022

■ 39, 34.299,
332.537

Harmonies

Complementary

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



30, 7.587, 149.028



28, 7.611, 330.703

Rectangle

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



30, 7.587, 149.028



30, 7.587, 199.028



30, 7.587, 329.028



30, 7.587, 19.028

Sweetspot

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



30, 7.588, 149.028



40, 2.474, 149.739



31, 7.032, 115.739



20, 1.774, 149.705



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, 7.588, 149.028



38, 11.226, 148.778



30, 5.335, 172.486



14, 2.745, 149.446



36, 55.625, 139.202



79, 104.586, 137.985

Inverse Universe

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



28, 7.611, 330.703



35, 11.263, 330.915



28, 5.520, 354.948



13, 2.753, 330.329



21, 50.689, 336.460



52, 91.701, 337.203

Previews

White Background



This preview shows how the CIELCh color 30, 7.587, 149.028 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 30, 7.587, 149.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

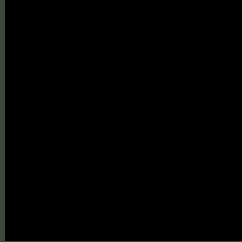
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 7.587, 149.028

Background



This preview shows how black text looks on a background with the CIELCh color 30, 7.587, 149.028.



This preview shows how white text looks on a background with the CIELCh color 30, 7.587, 149.028.

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

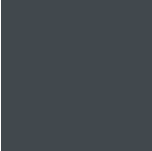
30, 7.587, 149.028

Protanopia

30, 4.825, 86.917

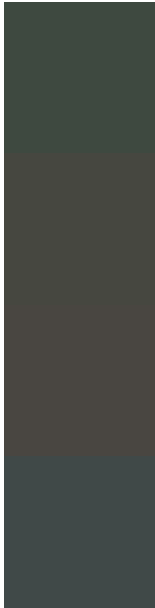
Deuteranopia

30, 5.199, 34.300



Tritanopia
30, 4.281, 247.647

Trichromacy



Original Color

30, 7.587, 149.028

Protanomaly

30, 4.489, 115.124

Deuteranomaly

30, 3.463, 86.377

Tritanomaly

30, 3.919, 189.444

Monochromacy



Original Color

30, 7.587, 149.028

Achromatopsia

29, 0.005, 296.813

Achromatomaly

30, 3.129, 144.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 7.587, 149.028 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(62, 73, 64)` looks like.

```
.text, #text, p{  
    color:rgb(62, 73, 64)  
}
```

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(62, 73, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 73, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 7.587, 149.028 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(62, 73, 64) }
```

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

```
.border{ border-color:rgb(62, 73, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 73, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 73, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 73, 64);  
box-shadow:4px 4px 4px 4px rgb(62, 73, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 7.587, 149.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 73, 64) }
```

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

```
.background{ background-color: rgb(62, 73,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor