

Converting Colors

CIELCh(30, 27.445, 160.035)

Have a look what the booklet for
CIELCh(30, 27.445, 160.035)
contains.

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Color

CIELCh(30, 27.287, 159.908)

Conversions

Conversions Part 1

Format	Color
Hex	155037
RGB	21, 80, 55
RGB Percent	8%, 31%, 22%
CMY	0.9158, 0.6848, 0.7829
CMYK	0.73, 0.00, 0.31, 0.68
HSL	155°, 58%, 20%
HSV	155°, 73%, 32%
XYZ	3.9131, 6.2359, 4.6557
YIQ	59.5090, -27.1390, -20.2830

Conversions

Conversions Part 2

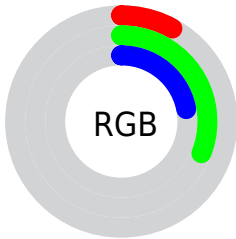
Format	Color
R_{YB}	21, 58, 80
Decimal	1396791
CIE Lab	30.00, -25.63, 9.37
CIE LCh	30, 27.287, 159.908
Yxy	6.2359, 0.2643, 0.4212
Android (android.graphics.Color)	4279586871 (0xFF155037)
YUV	59.5090, -2.2229, -33.7724
Hunter-Lab	24.9718, -15.7293, 6.4264

Details

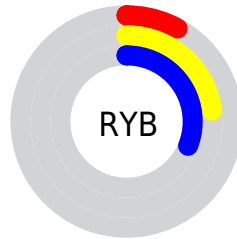
The CIELCh color **30, 27.287, 159.908** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **18, 29.928, 357.307**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 27.286, 159.878**, and **11, 21.866, 150.704** is the 20% darker color. If you saturate the color by 10%, you get **30, 30.012, 158.256**, and if you desaturate by 10%, it is **30, 24.224, 161.390**.

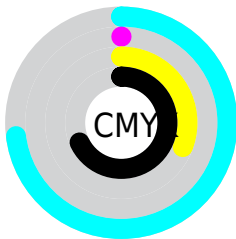
Distribution



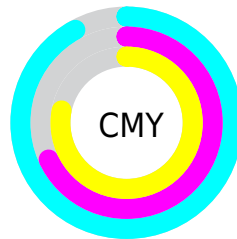
- Red (8%)
- Green (31%)
- Blue (22%)



- Red (8%)
- Yellow (23%)
- Blue (31%)



- Cyan (73%)
- Magenta (0%)
- Yellow (31%)
- Black (68%)




- Cyan (92%)
- Magenta (68%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 27.287, 159.908 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, 27.287, 159.908 by changing the saturation by 10% instead.

 30, 27.287,
159.908


 30, 27.287,
159.908

 100, 27.287,
159.908


 20, 27.287,
159.908


 50, 27.287,
159.908


 10, 27.287,
159.908

 60, 27.287,
159.908

 0, 27.287, 159.908

 70, 27.287,
159.908

 80, 27.287,
159.908

 90, 27.287,
159.908

■ 30, 27.287,
159.908

■ 30, 27.287,
159.908

■ 30, 30.012,
158.256

■ 30, 24.224,
161.390

■ 30, 32.448,
156.508

■ 31, 20.858,
162.718

■ 29, 34.079,
155.468

■ 31, 17.240,
163.912

■ 32, 13.426,
164.990

■ 32, 9.471, 165.971

■ 33, 5.429, 166.878

■ 34, 1.346, 167.822

■ 35, 2.738, 348.331

■ 36, 6.793, 349.086

Harmonies

Complementary

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



30, 27.287, 159.908



18, 29.928, 357.307

Rectangle

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



30, 27.287, 159.908



30, 27.287, 209.908



30, 27.287, 339.908



30, 27.287, 29.908

Sweetspot

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



30, 27.287, 159.907



42, 11.117, 166.020



31, 37.969, 128.559



21, 7.524, 165.886



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 27.287, 159.907



39, 38.281, 156.840



29, 17.732, 205.202



16, 2.311, 167.281



38, 41.565, 154.589



82, 76.965, 152.893

Inverse Universe

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



18, 29.928, 357.307



22, 41.230, 2.213



18, 30.306, 32.697



15, 2.346, 348.553



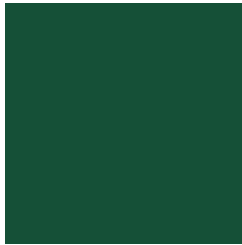
21, 43.835, 6.389



50, 78.778, 10.076

Previews

White Background



This preview shows how the CIELCh color 30, 27.287, 159.908 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, 27.287, 159.908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

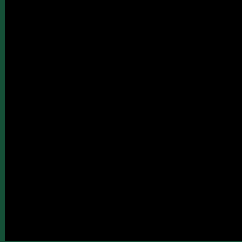
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 27.287, 159.908

Background



This preview shows how black text looks on a background with the CIELCh color 30, 27.287, 159.908.



This preview shows how white text looks on a background with the CIELCh color 30, 27.287, 159.908.

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, 27.287, 159.908

Protanopia

30, 12.429, 94.315

Deuteranopia

30, 9.298, 63.065



Tritanopia
30, 15.223, 212.137

Trichromacy



Original Color
30, 27.287, 159.908

Protanomaly
29, 15.720, 139.095

Deuteranomaly
29, 11.829, 138.208

Tritanomaly
30, 17.922, 186.400

Monochromacy



Original Color
30, 27.287, 159.908

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 10.922, 165.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 27.287, 159.908 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(21, 80, 55)` looks like.

```
.text, #text, p{  
    color:rgb(21, 80, 55)  
}
```

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(21, 80, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 80, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 27.287, 159.908 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(21, 80, 55) }
```

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

```
.border{ border-color:rgb(21, 80, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 80, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 80, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 80, 55);  
box-shadow:4px 4px 4px 4px rgb(21, 80, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 27.287, 159.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 80, 55) }
```

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

```
.background{ background-color: rgb(21, 80,  
55) }
```

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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