

Converting Colors

CIELCh(30, 15.787, 196.906)

Have a look what the booklet for
CIELCh(30, 15.787, 196.906)
contains.

CIELCh(30, 15.756, 197.121)	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, 15.756, 197.121)

Conversions

Conversions Part 1

Format	Color
Hex	214D4D
RGB	33, 77, 77
RGB Percent	13%, 30%, 30%
CMY	0.8689, 0.6965, 0.6965
CMYK	0.57, 0.00, 0.00, 0.70
HSL	180°, 40%, 22%
HSV	180°, 57%, 30%
XYZ	4.6766, 6.2359, 8.0522
YIQ	63.8440, -26.2240, -9.3280

Conversions

Conversions Part 2

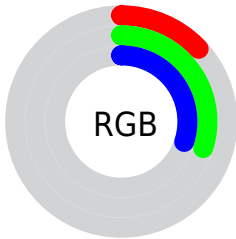
Format	Color
R_YB	33, 55, 77
Decimal	2182477
CIE Lab	30.00, -15.06, -4.64
CIE LCh	30, 15.756, 197.121
Yxy	6.2359, 0.2466, 0.3288
Android (android.graphics.Color)	4280372557 (0xFF214D4D)
YUV	63.8440, 6.4859, -27.0502
Hunter-Lab	24.9718, -10.2718, -1.6378




Details

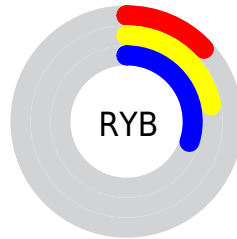
The CIELCh color **30, 15.756, 197.121** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **19, 22.946, 25.402**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **50, 15.793, 197.776**, and **11, 12.408, 196.398** is the 20% darker color. If you saturate the color by 10%, you get **30, 17.546, 196.868**, and if you desaturate by 10%, it is **30, 13.613, 197.423**.

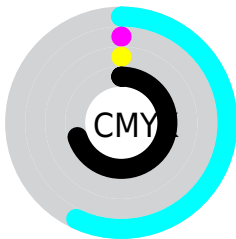
Distribution







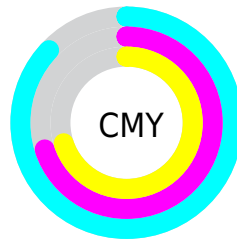
-  Red (13%)
-  Green (30%)
-  Blue (30%)






-  Red (13%)
-  Yellow (22%)
-  Blue (30%)



-  Cyan (57%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (70%)





-  Cyan (87%)
-  Magenta (70%)
-  Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 15.756, 197.121 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, 15.756, 197.121 by changing the saturation by 10% instead.


 30, 15.756,
197.121


 30, 15.756,
197.121

 100, 15.756,
197.121


 20, 15.756,
197.121


 50, 15.756,
197.121


 10, 15.756,
197.121

 60, 15.756,
197.121

 0, 15.756, 197.121

 70, 15.756,
197.121

 80, 15.756,
197.121

 90, 15.756,
197.121

■ 30, 15.756,
197.121

■ 30, 15.756,
197.121

■ 30, 17.546,
196.868

■ 30, 13.613,
197.423

■ 29, 18.964,
196.672

■ 31, 11.150,
197.779

■ 29, 20.004,
196.529

■ 31, 8.406, 198.184

■ 29, 20.859,
196.412

■ 32, 5.424, 198.639

■ 32, 2.250, 199.184

■ 29, 21.136,
196.374

■ 33, 1.076, 19.301

■ 34, 4.515, 20.024

■ 35, 8.034, 20.594

■ 36, 11.604, 21.159

Harmonies

Complementary

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



30, 15.756, 197.121



19, 22.946, 25.402

Rectangle

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



30, 15.756, 197.121



30, 15.756, 247.121



30, 15.756, 17.121



30, 15.756, 67.121

Sweetspot

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



30, 15.756, 197.119



41, 6.736, 198.601



29, 33.226, 139.891



20, 4.532, 198.557



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 15.756, 197.119



38, 21.512, 196.792



23, 15.838, 263.386



15, 1.819, 199.069



39, 25.574, 196.373



83, 46.281, 196.372

Inverse Universe

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



19, 22.946, 25.402



23, 34.730, 28.482



25, 18.699, 67.333



14, 1.910, 19.792



19, 50.501, 35.957



48, 96.564, 39.997

Previews

White Background



This preview shows how the CIELCh color 30, 15.756, 197.121 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, 15.756, 197.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

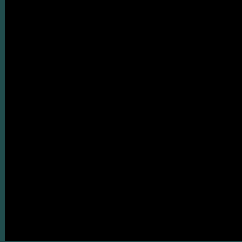
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 15.756, 197.121

Background



This preview shows how black text looks on a background with the CIELCh color 30, 15.756, 197.121.



This preview shows how white text looks on a background with the CIELCh color 30, 15.756, 197.121.

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, 15.756, 197.121

Protanopia

30, 1.980, 303.232

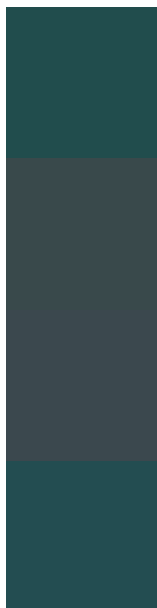
Deuteranopia

30, 6.659, 306.081



Tritanopia
30, 14.736, 212.697

Trichromacy



Original Color
30, 15.756, 197.121

Protanomaly
30, 6.657, 209.632

Deuteranomaly
30, 6.438, 235.657

Tritanomaly
30, 14.959, 207.290

Monochromacy



Original Color
30, 15.756, 197.121

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 6.689, 198.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 15.756, 197.121 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(33, 77, 77)` looks like.

```
.text, #text, p{  
    color:rgb(33, 77, 77)  
}
```

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(33, 77, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 77, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 15.756, 197.121 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(33, 77, 77) }
```

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

```
.border{ border-color:rgb(33, 77, 77) }
```

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

Here you see how a box with a 4 pixel rgb(33, 77, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 77, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 77, 77);  
box-shadow:4px 4px 4px 4px rgb(33, 77, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 15.756, 197.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 77, 77) }
```

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

```
.background{ background-color: rgb(33, 77,  
77) }
```

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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