

Converting Colors

CIElCh(55, 29.845, 166.880)

Have a look what the booklet for
CIELCh(55, 29.845, 166.880)
contains.

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Color

CIELCh(55, 29.914, 166.637)

Conversions

Conversions Part 1

Format	Color
Hex	499177
RGB	73, 145, 119
RGB Percent	29%, 57%, 47%
CMY	0.7145, 0.4321, 0.5340
CMYK	0.50, 0.00, 0.18, 0.43
HSL	158°, 33%, 43%
HSV	158°, 50%, 57%
XYZ	16.1488, 22.9298, 20.9709
YIQ	120.5080, -34.5660, -23.3500

Conversions

Conversions Part 2

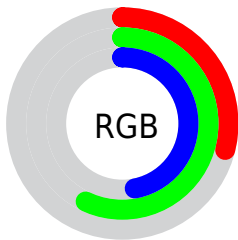
Format	Color
R_{YB}	73, 117, 145
Decimal	4821367
CIE _{Lab}	55.00, -29.10, 6.91
CIE _{LCh}	55, 29.914, 166.637
Yxy	22.9298, 0.2689, 0.3818
Android (android.graphics.Color)	4283011447 (0xFF499177)
YUV	120.5080, -0.7434, -41.6645
Hunter-Lab	47.8851, -23.6015, 7.5540

Details

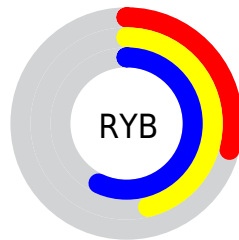
The CIELCh color $55, 29.914, 166.637$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $41, 33.438, 357.952$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 29.862, 166.731$, and $35, 29.804, 166.901$ is the 20% darker color. If you saturate the color by 10%, you get $54, 34.952, 165.228$, and if you desaturate by 10%, it is $56, 24.419, 167.900$.

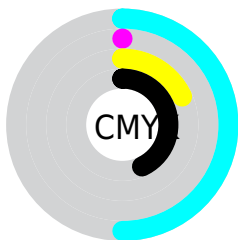
Distribution



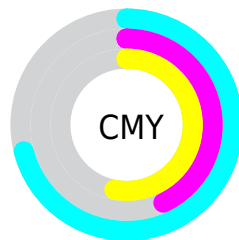
- Red (29%)
- Green (57%)
- Blue (47%)



- Red (29%)
- Yellow (46%)
- Blue (57%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (43%)





- Cyan (71%)
- Magenta (43%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 29.914, 166.637 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 55, 29.914, 166.637 by changing the saturation by 10% instead.

 55, 29.914,
166.637


 55, 29.914,
166.637


 100, 29.914,
166.637


 45, 29.914,
166.637


 75, 29.914,
166.637


 35, 29.914,
166.637

 85, 29.914,
166.637

 25, 29.914,
166.637

 95, 29.914,
166.637

 15, 29.914,
166.637

 5, 29.914, 166.637

 0, 29.914, 166.637

■ 55, 29.914,
166.637

■ 55, 29.914,
166.637

■ 54, 34.952,
165.228

■ 56, 24.419,
167.900

■ 54, 39.448,
163.653

■ 57, 18.565,
169.045

■ 53, 43.345,
161.891

■ 58, 12.452,
170.091

■ 53, 46.631,
159.931

■ 59, 6.176, 171.073

■ 53, 49.474,
157.875

■ 60, 0.182, 349.926

■ 53, 49.553,
157.821

■ 62, 6.554, 352.664

■ 63, 12.884,
353.463

■ 65, 19.133,
354.200

■ 66, 25.271,
354.895

Harmonies

Complementary

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



55, 29.914, 166.637



41, 33.438, 357.952

Rectangle

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



55, 29.914, 166.637



55, 29.914, 216.637



55, 29.914, 346.637



55, 29.914, 36.637

Sweetspot

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



55, 29.915, 166.636



74, 11.793, 170.529



55, 44.149, 131.278



38, 8.009, 170.344



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 29.915, 166.636



69, 43.370, 164.997



53, 20.756, 213.240



30, 3.547, 171.127



50, 46.999, 157.976



2, 2.409, 171.883

Inverse Universe

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



41, 33.438, 357.952



48, 49.411, 0.308



42, 30.124, 34.193



28, 3.622, 352.640



28, 53.172, 13.881



1, 2.409, 351.871

Previews

White Background



This preview shows how the CIELCh color 55, 29.914, 166.637 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 55, 29.914, 166.637 looks on a black 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 × Fail

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

CIELCh 55, 29.914, 166.637

Background



This preview shows how black text looks on a background with the CIELCh color 55, 29.914, 166.637.



This preview shows how white text looks on a background with the CIELCh color 55, 29.914, 166.637.

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
55, 29.914, 166.637

Protanopia
55, 11.250, 93.696

Deuteranopia
55, 8.826, 31.437



Tritanopia
55, 19.899, 218.220

Trichromacy



Original Color
55, 29.914, 166.637

Protanomaly
54, 15.474, 143.484

Deuteranomaly
54, 8.678, 146.037

Tritanomaly
55, 21.413, 194.262

Monochromacy



Original Color
55, 29.914, 166.637

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 11.457, 171.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 29.914, 166.637 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(73, 145, 119)` looks like.

```
.text, #text, p{  
    color:rgb(73, 145, 119)  
}
```

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(73, 145, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 145, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 29.914, 166.637 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(73, 145, 119) }
```

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

```
.border{ border-color:rgb(73, 145, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 145, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 145, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 145, 119);  
box-shadow:4px 4px 4px 4px rgb(73, 145,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 29.914, 166.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 145, 119) }
```

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

```
.background{ background-color: rgb(73, 145,  
119) }
```

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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