

Converting Colors

CIELCh(47, 55.444, 144.378)

Have a look what the booklet for
CIELCh(47, 55.444, 144.378)
contains.

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Color

CIELCh(47, 55.430, 144.295)

Conversions

Conversions Part 1

Format	Color
Hex	1A8035
RGB	26, 128, 53
RGB Percent	10%, 50%, 21%
CMY	0.8994, 0.4964, 0.7907
CMYK	0.80, 0.00, 0.58, 0.50
HSL	136°, 67%, 30%
HSV	136°, 80%, 50%
XYZ	8.8403, 16.0195, 6.0388
YIQ	88.9520, -36.7170, -44.9490

Conversions

Conversions Part 2

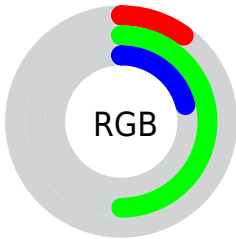
Format	Color
R _Y B	26, 107, 128
Decimal	1736757
CIE Lab	47.00, -45.01, 32.35
CIE LCh	47, 55.430, 144.295
Yxy	16.0195, 0.2861, 0.5185
Android (android.graphics.Color)	4279926837 (0xFF1A8035)
YUV	88.9520, -17.7243, -55.2089
Hunter-Lab	40.0243, -30.6166, 19.0715

Details

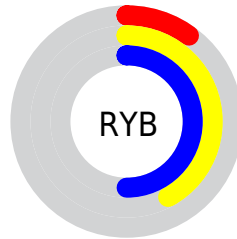
The CIELCh color $47, 55.430, 144.295$ is a dark color, and the websafe version is hex 006600 . A complement of this color would be $30, 53.067, 339.523$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $67, 55.458, 144.304$, and $28, 48.983, 137.139$ is the 20% darker color. If you saturate the color by 10%, you get $47, 60.134, 142.549$, and if you desaturate by 10%, it is $47, 49.951, 145.919$.

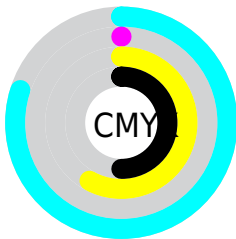
Distribution



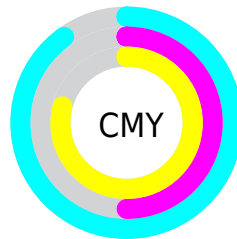
- Red (10%)
- Green (50%)
- Blue (21%)



- Red (10%)
- Yellow (42%)
- Blue (50%)



- Cyan (80%)
- Magenta (0%)
- Yellow (58%)
- Black (50%)





- Cyan (90%)
- Magenta (50%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 55.430, 144.295 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 47, 55.430, 144.295 by changing the saturation by 10% instead.


 47, 55.430,
144.295


 47, 55.430,
144.295


 100, 55.430,
144.295


 37, 55.430,
144.295

 67, 55.430,
144.295


 27, 55.430,
144.295

 77, 55.430,
144.295

 17, 55.430,
144.295

 87, 55.430,
144.295

 7, 55.430, 144.295

 97, 55.430,
144.295

 0, 55.430, 144.295

 47, 55.430,

 47, 55.430,

144.295

■ 47, 60.134,
142.549

■ 47, 64.131,
140.894

144.295

■ 47, 49.951,
145.919

■ 48, 43.798,
147.386

■ 49, 37.098,
148.686

■ 49, 29.991,
149.827

■ 50, 22.613,
150.822

■ 51, 15.089,
151.691

■ 52, 7.525, 152.460

■ 54, 0.009, 179.216

Harmonies

Complementary

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



47, 55.430, 144.295



30, 53.067, 339.523

Rectangle

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



47, 55.430, 144.295



47, 55.430, 194.295



47, 55.430, 324.295



47, 55.430, 14.295

Sweetspot

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



47, 55.430, 144.295



64, 22.293, 151.312



50, 54.233, 116.951



33, 15.430, 151.045



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 55.430, 144.295



59, 76.332, 141.090



48, 34.577, 171.681



26, 4.207, 152.529



46, 63.783, 140.909



0, 0.000, 0.000

Inverse Universe

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



30, 53.067, 339.523



37, 67.943, 341.947



28, 45.992, 15.918



25, 4.225, 333.633



28, 56.647, 342.136



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 55.430, 144.295 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 × Fail

Black Background



This preview shows how the CIE LCh color 47, 55.430, 144.295 looks on a black 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

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

CIELCh 47, 55.430, 144.295

Background



This preview shows how black text looks on a background with the CIELCh color 47, 55.430, 144.295.



This preview shows how white text looks on a background with the CIELCh color 47, 55.430, 144.295.

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

47, 55.329, 144.188

Protanopia

47, 36.276, 96.016

Deuteranopia

47, 30.769, 78.591



Tritanopia
47, 21.136, 212.091

Trichromacy



Original Color
47, 55.329, 144.188

Protanomaly
46, 40.012, 124.130

Deuteranomaly
45, 33.143, 120.036

Tritanomaly
47, 30.130, 170.561

Monochromacy



Original Color
47, 55.329, 144.188

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 22.521, 150.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 55.430, 144.295 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(26, 128, 53)` looks like.

```
.text, #text, p{  
    color:rgb(26, 128, 53)  
}
```

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(26, 128, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 128, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 55.430, 144.295 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(26, 128, 53) }
```

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

```
.border{ border-color:rgb(26, 128, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 128, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 128, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 128, 53);  
box-shadow:4px 4px 4px 4px rgb(26, 128,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 55.430, 144.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 128, 53) }
```

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

```
.background{ background-color: rgb(26, 128,  
53) }
```

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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