

Converting Colors

CIELCh(47, 64.652, 132.981)

Have a look what the booklet for
CIELCh(47, 64.652, 132.981)
contains.

CIELCh(47, 64.652, 132.981)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 64.652, 132.981)

Conversions

Conversions Part 1

Format	Color
Hex	2F8011
RGB	47, 128, 17
RGB Percent	18%, 50%, 7%
CMY	0.8167, 0.4989, 0.9345
CMYK	0.63, 0.00, 0.87, 0.50
HSL	104°, 77%, 28%
HSV	104°, 87%, 50%
XYZ	8.9501, 16.0195, 3.1386
YIQ	91.1270, -12.6450, -51.6930

Conversions

Conversions Part 2

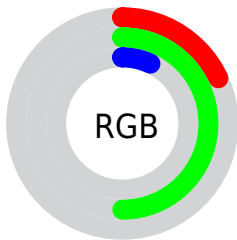
Format	Color
RYB	17, 128, 98
Decimal	3112977
CIELab	47.00, -44.08, 47.30
CIELCh	47, 64.652, 132.981
Yxy	16.0195, 0.3184, 0.5699
Android (android.graphics.Color)	4281303057 (0xFF2F8011)
YUV	91.1270, -36.5446, -38.6994
Hunter-Lab	40.0243, -30.1269, 23.3677

Details

The CIELCh color $47, 64.652, 132.981$ is a dark color, and the websafe version is hex 339933 . A complement of this color would be $25, 66.794, 319.028$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 64.912, 132.950$, and $28, 50.313, 136.043$ is the 20% darker color. If you saturate the color by 10%, you get $47, 68.219, 133.254$, and if you desaturate by 10%, it is $47, 59.745, 132.994$.

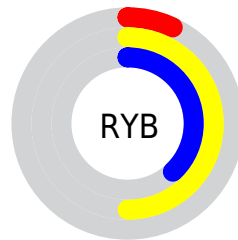
Distribution



Red (18%)

Green (50%)

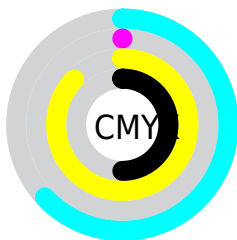
Blue (7%)



Red (7%)

Yellow (50%)

Blue (38%)

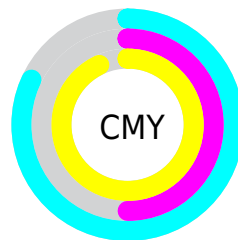


Cyan (63%)

Magenta (0%)

Yellow (87%)

Black (50%)



Cyan (82%)


Magenta (50%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 64.652, 132.981 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, 64.652, 132.981 by changing the saturation by 10% instead.


 47, 64.652,
132.981


 47, 64.652,
132.981


 100, 64.652,
132.981


 37, 64.652,
132.981

 67, 64.652,
132.981


 27, 64.652,
132.981

 77, 64.652,
132.981

 17, 64.652,
132.981

 87, 64.652,
132.981

 7, 64.652, 132.981

 97, 64.652,
132.981

 0, 64.652, 132.981

 47, 64.652,

 47, 64.652,

132.981

132.981

■ 47, 68.219,
133.254

■ 47, 59.745,
132.994

■ 47, 69.244,
133.284

■ 48, 53.592,
133.293

■ 48, 46.528,
133.763

■ 49, 38.847,
134.313

■ 50, 30.781,
134.879

■ 51, 22.499,
135.426

■ 52, 14.126,
135.933

■ 53, 5.754, 136.402

Harmonies

Complementary

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



47, 64.652, 132.981



25, 66.794, 319.028

Rectangle

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



47, 64.652, 132.981



47, 64.652, 182.981



47, 64.652, 312.981



47, 64.652, 2.981

Sweetspot

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



47, 64.652, 132.982



65, 26.877, 135.442



43, 46.107, 83.421



34, 18.357, 135.289



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, 64.652, 132.982



60, 84.009, 133.567



47, 60.757, 141.489



26, 4.681, 136.302



47, 69.130, 133.281



0, 0.000, 0.000

Inverse Universe

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



25, 66.794, 319.028



31, 86.245, 318.388



29, 56.715, 337.429



25, 4.714, 317.014



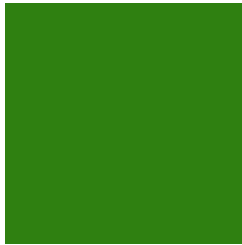
23, 71.147, 318.590



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 64.652, 132.981 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, 64.652, 132.981 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, 64.652, 132.981

Background



This preview shows how black text looks on a background with the CIELCh color 47, 64.652, 132.981.



This preview shows how white text looks on a background with the CIELCh color 47, 64.652, 132.981.

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, 64.652, 132.981

Protanopia

47, 50.578, 95.348

Deuteranopia

47, 44.791, 82.192



Tritanopia
47, 17.545, 215.560

Trichromacy



Original Color
47, 64.652, 132.981

Protanomaly
46, 52.776, 113.524

Deuteranomaly
45, 46.533, 108.477

Tritanomaly
46, 30.942, 155.857

Monochromacy



Original Color
47, 64.652, 132.981

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 27.024, 134.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 64.652, 132.981 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(47, 128, 17)` looks like.

```
.text, #text, p{  
    color:rgb(47, 128, 17)  
}
```

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(47, 128, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 128, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 64.652, 132.981 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(47, 128, 17) }
```

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

```
.border{ border-color:rgb(47, 128, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 128, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 128, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 128, 17);  
box-shadow:4px 4px 4px 4px rgb(47, 128,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 64.652, 132.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 128, 17) }
```

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

```
.background{ background-color: rgb(47, 128,  
17) }
```

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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