

Converting Colors

CIELCh(66, 51.767, 132.714)

Have a look what the booklet for
CIELCh(66, 51.767, 132.714)
contains.

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Color

CIELCh(66, 51.543, 132.521)

Conversions

Conversions Part 1

Format	Color
Hex	75AF59
RGB	117, 175, 89
RGB Percent	46%, 69%, 35%
CMY	0.5399, 0.3124, 0.6497
CMYK	0.33, 0.00, 0.49, 0.31
HSL	100°, 35%, 52%
HSV	100°, 49%, 69%
XYZ	24.5933, 35.3238, 15.0423
YIQ	147.8540, -6.9620, -39.0420

Conversions

Conversions Part 2

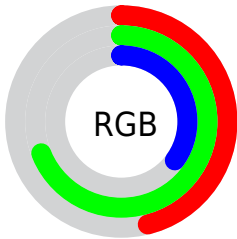
Format	Color
RYB	89, 175, 147
Decimal	7712601
CIELab	66.00, -34.84, 37.99
CIELCh	66, 51.543, 132.521
Yxy	35.3238, 0.3281, 0.4712
Android (android.graphics.Color)	4285902681 (0xFF75AF59)
YUV	147.8540, -29.0150, -27.0590
Hunter-Lab	59.4338, -30.1473, 26.5978

Details

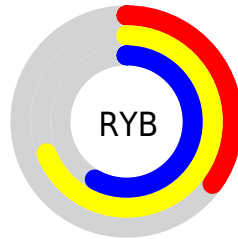
The CIELCh color **66, 51.543, 132.521** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **48, 53.622, 316.959**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 51.363, 132.435**, and **46, 51.490, 132.717** is the 20% darker color. If you saturate the color by 10%, you get **65, 61.101, 132.051**, and if you desaturate by 10%, it is **67, 41.403, 133.048**.

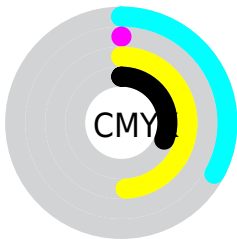
Distribution



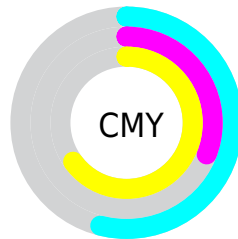
- Red (46%)
- Green (69%)
- Blue (35%)



- Red (35%)
- Yellow (69%)
- Blue (58%)



- Cyan (33%)
- Magenta (0%)
- Yellow (49%)
- Black (31%)





- Cyan (54%)
- Magenta (31%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 51.543, 132.521 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 66, 51.543, 132.521 by changing the saturation by 10% instead.


 66, 51.543,
132.521


 66, 51.543,
132.521


 100, 51.543,
132.521


 56, 51.543,
132.521


 86, 51.543,
132.521

 46, 51.543,
132.521

 96, 51.543,
132.521

 36, 51.543,
132.521

 26, 51.543,
132.521

 16, 51.543,
132.521

 6, 51.543, 132.521

 0, 51.543, 132.521

■ 66, 51.543,
132.521

■ 66, 51.543,
132.521

■ 65, 61.101,
132.051

■ 67, 41.403,
133.048

■ 65, 69.737,
131.716

■ 68, 30.925,
133.577

■ 64, 77.029,
131.631

■ 69, 20.286,
134.082

■ 63, 82.540,
131.919

■ 70, 9.615, 134.553

■ 63, 86.238,
132.556

■ 72, 0.999, 314.796

■ 63, 86.554,
132.607

■ 73, 11.490,
315.309

■ 75, 21.813,
315.639

■ 76, 31.938,
315.924

■ 78, 41.845,
316.170

Harmonies

Complementary

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



66, 51.543, 132.521



48, 53.622, 316.959

Rectangle

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



66, 51.543, 132.521



66, 51.543, 182.521



66, 51.543, 312.521



66, 51.543, 2.521

Sweetspot

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



66, 51.544, 132.522



88, 19.673, 134.265



62, 34.384, 84.718



47, 13.537, 134.167



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 51.544, 132.522



82, 75.141, 132.012



65, 50.669, 145.180



36, 5.952, 134.542



55, 77.171, 132.439



6, 12.778, 136.812

Inverse Universe

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



48, 53.622, 316.959



56, 78.714, 317.296



51, 50.512, 332.462



34, 6.004, 315.281



27, 81.094, 316.724



2, 12.277, 311.865

Previews

White Background



This preview shows how the CIELCh color 66, 51.543, 132.521 looks on a white 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

Black Background



This preview shows how the CIELCh color 66, 51.543, 132.521 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 ✓ Pass

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

CIELCh 66, 51.543, 132.521

Background



This preview shows how black text looks on a background with the CIELCh color 66, 51.543, 132.521.



This preview shows how white text looks on a background with the CIELCh color 66, 51.543, 132.521.

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


66, 51.543, 132.521

Protanopia

66, 41.567, 95.932

Deuteranopia

66, 36.862, 76.362



Tritanopia
66, 13.570, 233.718

Trichromacy



Original Color
66, 51.543, 132.521

Protanomaly
66, 42.963, 112.024

Deuteranomaly
65, 36.410, 102.128

Tritanomaly
66, 20.388, 159.048

Monochromacy



Original Color
66, 51.543, 132.521

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 19.198, 134.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 51.543, 132.521 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(117, 175, 89)` looks like.

```
.text, #text, p{  
    color:rgb(117, 175, 89)  
}
```

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(117, 175, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 175, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 51.543, 132.521 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(117, 175, 89) }
```

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

```
.border{ border-color:rgb(117, 175, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 175, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 175, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 175, 89);  
box-shadow:4px 4px 4px 4px rgb(117, 175,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 51.543, 132.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 175, 89) }
```

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

```
.background{ background-color: rgb(117,  
175, 89) }
```

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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