

Converting Colors

CIELCh(66, 75.553, 121.408)

Have a look what the booklet for
CIELCh(66, 75.553, 121.408)
contains.

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Color

CIELCh(66, 75.692, 121.372)

Conversions

Conversions Part 1

Format	Color
Hex	78B112
RGB	120, 177, 18
RGB Percent	47%, 69%, 7%
CMY	0.5275, 0.3078, 0.9289
CMYK	0.32, 0.00, 0.90, 0.31
HSL	81°, 81%, 38%
HSV	81°, 90%, 69%
XYZ	23.5504, 35.3238, 6.1540
YIQ	141.8310, 17.0670, -61.5330

Conversions

Conversions Part 2

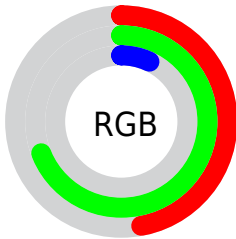
Format	Color
RYB	18, 177, 75
Decimal	7909650
CIELab	66.00, -39.40, 64.63
CIElCh	66, 75.692, 121.372
Yxy	35.3238, 0.3622, 0.5432
Android (android.graphics.Color)	4286099730 (0xFF78B112)
YUV	141.8310, -61.0487, -19.1458
Hunter-Lab	59.4338, -33.2794, 35.4646

Details

The CIELCh color **66, 75.692, 121.372** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **27, 92.183, 309.288**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 75.986, 121.552**, and **46, 63.291, 126.935** is the 20% darker color. If you saturate the color by 10%, you get **66, 78.778, 122.294**, and if you desaturate by 10%, it is **66, 70.982, 120.836**.

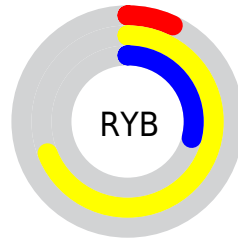
Distribution



Red (47%)

Green (69%)

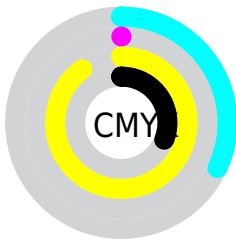
Blue (7%)



Red (7%)

Yellow (69%)

Blue (29%)

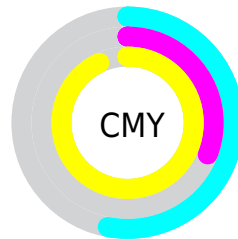


Cyan (32%)

Magenta (0%)

Yellow (90%)

Black (31%)



Cyan (53%)


Magenta (31%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 75.692, 121.372 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, 75.692, 121.372 by changing the saturation by 10% instead.


 66, 75.692,
121.372


 66, 75.692,
121.372


 100, 75.692,
121.372


 56, 75.692,
121.372


 86, 75.692,
121.372

 46, 75.692,
121.372

 96, 75.692,
121.372

 36, 75.692,
121.372

 26, 75.692,
121.372

 16, 75.692,
121.372

 6, 75.692, 121.372

 0, 75.692, 121.372

■ 66, 75.692,
121.372

■ 66, 75.692,
121.372

■ 66, 78.778,
122.294

■ 66, 70.982,
120.836

■ 66, 78.856,
122.318

■ 67, 64.548,
120.709

■ 67, 56.798,
120.877

■ 68, 48.144,
121.236

■ 69, 38.908,
121.704

■ 69, 29.316,
122.227

■ 70, 19.525,
122.768

■ 71, 9.637, 123.306

Harmonies

Complementary

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



66, 75.692, 121.372



27, 92.183, 309.288

Rectangle

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



66, 75.692, 121.372



66, 75.692, 171.372



66, 75.692, 301.372



66, 75.692, 351.372

Sweetspot

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



66, 75.692, 121.373



88, 32.991, 122.349



44, 63.315, 51.507



46, 22.171, 122.171



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, 75.692, 121.373



83, 96.148, 122.587



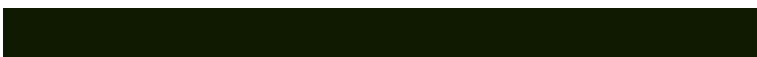
63, 86.521, 135.078



37, 5.659, 123.328



57, 70.880, 122.141



8, 14.027, 127.762

Inverse Universe

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



27, 92.183, 309.288



33, 118.957, 308.954



38, 86.007, 322.825



35, 5.757, 304.295



20, 87.673, 309.240



1, 13.583, 300.785

Previews

White Background



This preview shows how the CIELCh color 66, 75.692, 121.372 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, 75.692, 121.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

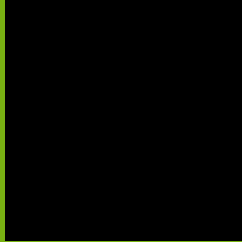
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 75.692, 121.372

Background



This preview shows how black text looks on a background with the CIELCh color 66, 75.692, 121.372.



This preview shows how white text looks on a background with the CIELCh color 66, 75.692, 121.372.

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](#).

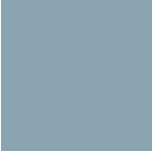
Dichromacy



Original Color
66, 75.997, 121.590

Protanopia
66, 67.612, 95.160

Deuteranopia
66, 62.816, 82.503



Tritanopia
66, 11.460, 237.970

Trichromacy



Original Color
66, 75.997, 121.590

Protanomaly
65, 68.568, 106.056

Deuteranomaly
65, 63.563, 98.851

Tritanomaly
65, 31.158, 135.552

Monochromacy



Original Color
66, 75.997, 121.590

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 33.088, 122.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 75.692, 121.372 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(120, 177, 18)` looks like.

```
.text, #text, p{  
    color:rgb(120, 177, 18)  
}
```

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(120, 177, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 177, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 75.692, 121.372 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(120, 177, 18) }
```

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

```
.border{ border-color:rgb(120, 177, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 177, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 177, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 177, 18);  
box-shadow:4px 4px 4px 4px rgb(120, 177,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 75.692, 121.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 177, 18) }
```

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

```
.background{ background-color: rgb(120,  
177, 18) }
```

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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