

Converting Colors

CIELCh(68, 75.792, 142.405)

Have a look what the booklet for
CIELCh(68, 75.792, 142.405)
contains.

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Color

CIELCh(68, 75.812, 142.464)

Conversions

Conversions Part 1

Format	Color
Hex	30BE4C
RGB	48, 190, 76
RGB Percent	19%, 75%, 30%
CMY	0.8118, 0.2549, 0.7020
CMYK	0.75, 0.00, 0.60, 0.25
HSL	132°, 60%, 47%
HSV	132°, 75%, 75%
XYZ	20.9336, 37.9720, 13.0619
YIQ	134.5460, -48.0380, -65.5580

Conversions

Conversions Part 2

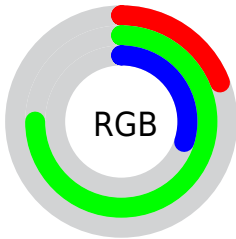
Format	Color
RYB	48, 167, 190
Decimal	3194444
CIELab	68.00, -60.12, 46.19
CIELCh	68, 75.812, 142.464
Yxy	37.9720, 0.2909, 0.5276
Android (android.graphics.Color)	4281384524 (0xFF30BE4C)
YUV	134.5460, -28.8632, -75.9008
Hunter-Lab	61.6215, -47.1989, 30.5673

Details

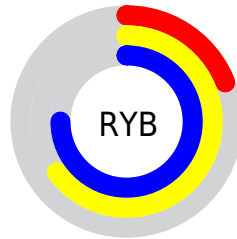
The CIELCh color **68, 75.812, 142.464** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **47, 72.822, 335.613**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 75.620, 142.348**, and **49, 70.772, 138.240** is the 20% darker color. If you saturate the color by 10%, you get **68, 82.712, 140.840**, and if you desaturate by 10%, it is **69, 67.654, 144.000**.

Distribution



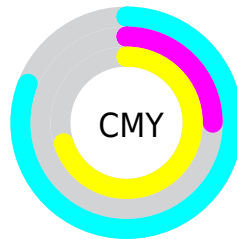
- Red (19%)
- Green (75%)
- Blue (30%)



- Red (19%)
- Yellow (65%)
- Blue (75%)



- Cyan (75%)
- Magenta (0%)
- Yellow (60%)
- Black (25%)




- Cyan (81%)
- Magenta (25%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 75.812, 142.464 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 68, 75.812, 142.464 by changing the saturation by 10% instead.

 68, 75.812,
142.464

 68, 75.812,
142.464

 100, 75.812,
142.464

 58, 75.812,
142.464


 88, 75.812,
142.464


 48, 75.812,
142.464

 98, 75.812,
142.464

 38, 75.812,
142.464

 28, 75.812,
142.464

 18, 75.812,
142.464

 8, 75.812, 142.464

 0, 75.812, 142.464

■ 68, 75.812,
142.464

■ 68, 75.812,
142.464

■ 68, 82.712,
140.840

■ 69, 67.654,
144.000

■ 67, 88.164,
139.220

■ 69, 58.464,
145.397

■ 67, 90.486,
138.473

■ 70, 48.485,
146.635

■ 71, 37.959,
147.715

■ 73, 27.107,
148.651

■ 74, 16.120,
149.462

■ 76, 5.153, 150.194

■ 78, 5.678, 330.684

■ 80, 16.288,
331.239

Harmonies

Complementary

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



68, 75.812, 142.464



47, 72.822, 335.613

Rectangle

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



68, 75.812, 142.464



68, 75.812, 192.464



68, 75.812, 322.464



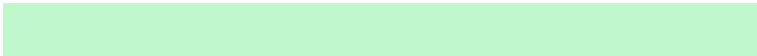
68, 75.812, 12.464

Sweetspot

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



68, 75.812, 142.464



93, 29.859, 148.855



73, 69.496, 112.997



49, 20.227, 148.620



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 75.812, 142.464



86, 105.512, 139.744



69, 49.144, 165.579



39, 6.145, 149.859



57, 78.543, 138.707



9, 19.682, 148.357

Inverse Universe

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



47, 72.822, 335.613



57, 95.868, 337.126



44, 59.081, 8.060



37, 6.164, 330.978



36, 69.495, 337.848



3, 17.673, 334.060

Previews

White Background



This preview shows how the CIELCh color 68, 75.812, 142.464 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 68, 75.812, 142.464 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 68, 75.812, 142.464

Background



This preview shows how black text looks on a background with the CIELCh color 68, 75.812, 142.464.



This preview shows how white text looks on a background with the CIELCh color 68, 75.812, 142.464.

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
68, 75.812, 142.464

Protanopia
68, 51.507, 95.789

Deuteranopia
68, 43.915, 78.722



Tritanopia
68, 27.815, 214.884

Trichromacy



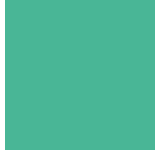
Original Color
68, 75.812, 142.464



Protanomaly
66, 56.167, 122.288



Deuteranomaly
66, 47.137, 117.447



Tritanomaly
67, 39.554, 169.697

Monochromacy



Original Color
68, 75.812, 142.464



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 30.748, 148.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 75.812, 142.464 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(48, 190, 76)` looks like.

```
.text, #text, p{  
    color:rgb(48, 190, 76)  
}
```

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(48, 190, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 190, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 75.812, 142.464 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(48, 190, 76) }
```

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

```
.border{ border-color:rgb(48, 190, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 190, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 190, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 190, 76);  
box-shadow:4px 4px 4px 4px rgb(48, 190,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 75.812, 142.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 190, 76) }
```

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

```
.background{ background-color: rgb(48, 190,  
76) }
```

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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