

Converting Colors

CIELCh(67, 75.529, 136.005)

Have a look what the booklet for
CIELCh(67, 75.529, 136.005)
contains.

CIELCh(67, 75.650, 135.984)	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(67, 75.650, 135.984)

Conversions

Conversions Part 1

Format	Color
Hex	4DB93B
RGB	77, 185, 59
RGB Percent	30%, 73%, 23%
CMY	0.6977, 0.2742, 0.7683
CMYK	0.58, 0.00, 0.68, 0.27
HSL	111°, 52%, 48%
HSV	111°, 68%, 73%
XYZ	21.2267, 36.6320, 10.1007
YIQ	138.3440, -23.9220, -62.0820

Conversions

Conversions Part 2

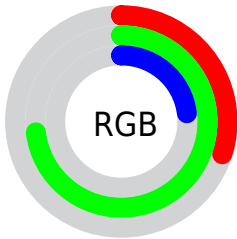
Format	Color
RYB	59, 185, 167
Decimal	5093691
CIELab	67.00, -54.40, 52.57
CIELCh	67, 75.650, 135.984
Yxy	36.6320, 0.3123, 0.5390
Android (android.graphics.Color)	4283283771 (0xFF4DB93B)
YUV	138.3440, -39.1166, -53.7987
Hunter-Lab	60.5244, -43.3152, 32.4723

Details

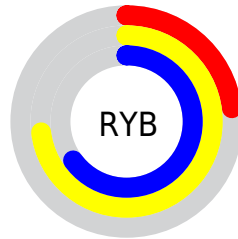
The CIELCh color **67, 75.650, 135.984** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **45, 76.107, 323.133**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 75.847, 135.991**, and **47, 73.063, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 83.427, 135.432**, and if you desaturate by 10%, it is **68, 66.290, 136.703**.

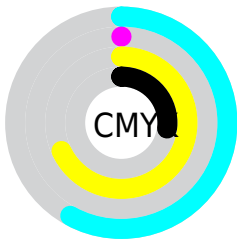
Distribution



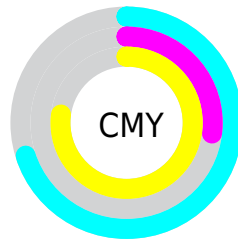
- Red (30%)
- Green (73%)
- Blue (23%)



- Red (23%)
- Yellow (73%)
- Blue (65%)



- Cyan (58%)
- Magenta (0%)
- Yellow (68%)
- Black (27%)



- Cyan (70%)
- Magenta (27%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 75.650, 135.984 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 67, 75.650, 135.984 by changing the saturation by 10% instead.


 67, 75.650,
135.984


 67, 75.650,
135.984


 100, 75.650,
135.984


 57, 75.650,
135.984


 87, 75.650,
135.984

 47, 75.650,
135.984

 97, 75.650,
135.984

 37, 75.650,
135.984

 27, 75.650,
135.984

 17, 75.650,
135.984

 7, 75.650, 135.984

 0, 75.650, 135.984

■ 67, 75.650,
135.984

■ 67, 75.650,
135.984

■ 66, 83.427,
135.432

■ 68, 66.290,
136.703

■ 66, 89.136,
135.174

■ 69, 55.821,
137.476

■ 66, 92.611,
135.241

■ 70, 44.635,
138.233

■ 66, 93.155,
135.235

■ 71, 33.034,
138.934

■ 72, 21.249,
139.563

■ 74, 9.448, 140.123

■ 76, 2.244, 320.481

■ 77, 13.742,
320.966

■ 79, 24.986,
321.319

Harmonies

Complementary

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



67, 75.650, 135.984



45, 76.107, 323.133

Rectangle

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



67, 75.650, 135.984



67, 75.650, 185.984



67, 75.650, 315.984



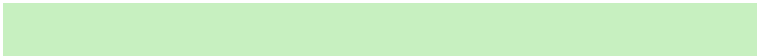
67, 75.650, 5.984

Sweetspot

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



67, 75.650, 135.985



91, 29.022, 139.428



68, 55.899, 95.612



48, 19.797, 139.255



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 75.650, 135.985



84, 105.268, 135.253



67, 61.374, 148.871



38, 6.589, 140.056



56, 81.814, 135.135



8, 18.276, 141.588

Inverse Universe

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



45, 76.107, 323.133



54, 104.912, 323.169



46, 61.083, 342.734



36, 6.617, 320.898



33, 80.780, 322.824



3, 17.611, 318.682

Previews

White Background



This preview shows how the CIELCh color 67, 75.650, 135.984 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 67, 75.650, 135.984 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 67, 75.650, 135.984

Background



This preview shows how black text looks on a background with the CIELCh color 67, 75.650, 135.984.



This preview shows how white text looks on a background with the CIELCh color 67, 75.650, 135.984.

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

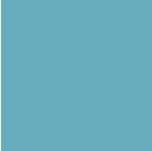
67, 75.650, 135.984

Protanopia

66, 56.674, 95.434

Deuteranopia

66, 50.405, 80.107



Tritanopia
67, 22.846, 217.753

Trichromacy



Original Color
67, 75.650, 135.984



Protanomaly
66, 59.624, 115.547



Deuteranomaly
65, 51.809, 109.111



Tritanomaly
66, 35.886, 161.800

Monochromacy



Original Color
67, 75.650, 135.984



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 30.122, 138.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 75.650, 135.984 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(77, 185, 59)` looks like.

```
.text, #text, p{  
    color:rgb(77, 185, 59)  
}
```

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(77, 185, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 185, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 75.650, 135.984 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(77, 185, 59) }
```

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

```
.border{ border-color:rgb(77, 185, 59) }
```

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

Here you see how a box with a 4 pixel rgb(77, 185, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 185, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 185, 59);  
box-shadow:4px 4px 4px 4px rgb(77, 185,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 75.650, 135.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 185, 59) }
```

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

```
.background{ background-color: rgb(77, 185,  
59) }
```

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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