

Converting Colors

CIELCh(66, 87.020, 137.169)

Have a look what the booklet for
CIELCh(66, 87.020, 137.169)
contains.

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Color

CIELCh(66, 86.845, 137.237)

Conversions

Conversions Part 1

Format	Color
Hex	24B925
RGB	36, 185, 37
RGB Percent	14%, 73%, 15%
CMY	0.8569, 0.2735, 0.8537
CMYK	0.80, 0.00, 0.80, 0.27
HSL	120°, 67%, 43%
HSV	120°, 80%, 73%
XYZ	18.4853, 35.3238, 7.6187
YIQ	123.5770, -41.2960, -77.6160

Conversions

Conversions Part 2

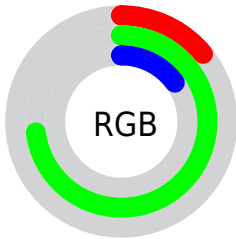
Format	Color
RYB	36, 184, 185
Decimal	2406693
CIELab	66.00, -63.76, 58.96
CIELCh	66, 86.845, 137.237
Yxy	35.3238, 0.3009, 0.5750
Android (android.graphics.Color)	4280596773 (0xFF24B925)
YUV	123.5770, -42.6825, -76.8050
Hunter-Lab	59.4338, -48.4916, 34.0035

Details

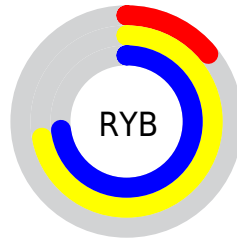
The CIELCh color **66, 86.845, 137.237** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **46, 84.544, 328.192**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 86.898, 137.238**, and **47, 72.660, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 91.572, 136.485**, and if you desaturate by 10%, it is **66, 79.797, 138.251**.

Distribution



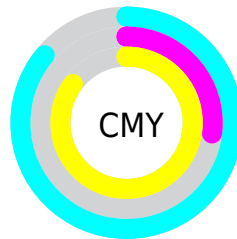
- Red (14%)
- Green (73%)
- Blue (15%)



- Red (14%)
- Yellow (72%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (27%)





- Cyan (86%)
- Magenta (27%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 86.845, 137.237 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, 86.845, 137.237 by changing the saturation by 10% instead.


 66, 86.845,
137.237


 66, 86.845,
137.237


 100, 86.845,
137.237


 56, 86.845,
137.237


 86, 86.845,
137.237

 46, 86.845,
137.237

 96, 86.845,
137.237

 36, 86.845,
137.237

 26, 86.845,
137.237

 16, 86.845,
137.237

 6, 86.845, 137.237

 0, 86.845, 137.237

■ 66, 86.845,
137.237

■ 66, 86.845,
137.237

■ 66, 91.572,
136.485

■ 66, 79.797,
138.251

■ 66, 94.112,
136.061

■ 67, 70.850,
139.380

■ 68, 60.488,
140.505

■ 69, 49.148,
141.552

■ 70, 37.201,
142.486

■ 72, 24.943,
143.299

■ 73, 12.608,
144.002

■ 75, 0.367, 145.238

■ 77, 11.656,
325.049

Harmonies

Complementary

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



66, 86.845, 137.237



46, 84.544, 328.192

Rectangle

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



66, 86.845, 137.237



66, 86.845, 187.237



66, 86.845, 317.237



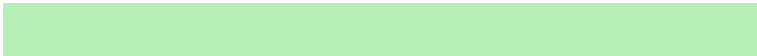
66, 86.845, 7.237

Sweetspot

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



66, 86.845, 137.238



90, 36.353, 142.981



73, 70.164, 103.404



47, 24.950, 142.690



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 86.845, 137.238



83, 113.371, 136.162



67, 60.944, 153.353



38, 6.873, 144.066



56, 82.689, 136.072



8, 18.840, 144.550

Inverse Universe

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



46, 84.544, 328.192



57, 109.128, 328.428



42, 62.520, 355.149



36, 6.884, 325.074



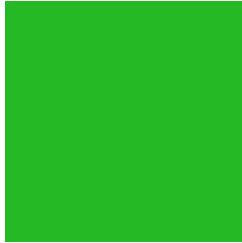
37, 79.549, 328.450



3, 18.719, 324.947

Previews

White Background



This preview shows how the CIELCh color 66, 86.845, 137.237 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, 86.845, 137.237 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, 86.845, 137.237

Background



This preview shows how black text looks on a background with the CIELCh color 66, 86.845, 137.237.



This preview shows how white text looks on a background with the CIELCh color 66, 86.845, 137.237.

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, 86.845, 137.237

Protanopia
65, 63.112, 95.057

Deuteranopia
65, 56.582, 81.373



Tritanopia
66, 27.478, 213.951

Trichromacy



Original Color
66, 86.845, 137.237



Protanomaly
64, 68.201, 118.908



Deuteranomaly
63, 59.568, 113.781



Tritanomaly
65, 44.123, 162.376

Monochromacy



Original Color
66, 86.845, 137.237



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 37.400, 141.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 86.845, 137.237 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(36, 185, 37)` looks like.

```
.text, #text, p{  
    color:rgb(36, 185, 37)  
}
```

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(36, 185, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 185, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 86.845, 137.237 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(36, 185, 37) }
```

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

```
.border{ border-color:rgb(36, 185, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 185, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 185, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 185, 37);  
box-shadow:4px 4px 4px 4px rgb(36, 185,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 86.845, 137.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 185, 37) }
```

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

```
.background{ background-color: rgb(36, 185,  
37) }
```

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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