

Converting Colors

CIELCh(66, 46.959, 156.697)

Have a look what the booklet for
CIELCh(66, 46.959, 156.697)
contains.

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Color

CIELCh(66, 46.491, 156.951)

Conversions

Conversions Part 1

Format	Color
Hex	4AB37E
RGB	74, 179, 126
RGB Percent	29%, 70%, 49%
CMY	0.7087, 0.2970, 0.5049
CMYK	0.59, 0.00, 0.30, 0.30
HSL	150°, 41%, 50%
HSV	150°, 59%, 70%
XYZ	22.7993, 35.3238, 25.4367
YIQ	141.5630, -45.5670, -38.7430

Conversions

Conversions Part 2

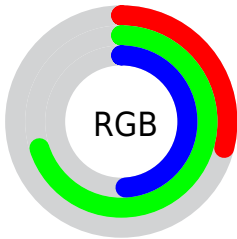
Format	Color
RYB	74, 144, 179
Decimal	4895614
CIELab	66.00, -42.78, 18.20
CIElCh	66, 46.491, 156.951
Yxy	35.3238, 0.2728, 0.4227
Android (android.graphics.Color)	4283085694 (0xFF4AB37E)
YUV	141.5630, -7.6726, -59.2528
Hunter-Lab	59.4338, -35.5353, 16.2285

Details

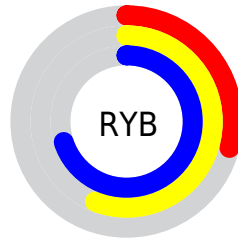
The CIELCh color **66, 46.491, 156.951** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **47, 49.023, 349.981**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 46.249, 157.195**, and **46, 45.485, 156.631** is the 20% darker color. If you saturate the color by 10%, you get **65, 52.980, 155.317**, and if you desaturate by 10%, it is **67, 39.368, 158.393**.

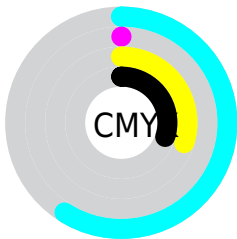
Distribution



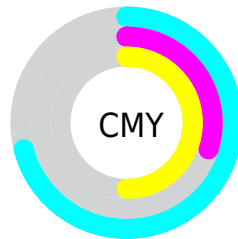
- Red (29%)
- Green (70%)
- Blue (49%)



- Red (29%)
- Yellow (56%)
- Blue (70%)



- Cyan (59%)
- Magenta (0%)
- Yellow (30%)
- Black (30%)





- Cyan (71%)
- Magenta (30%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 46.491, 156.951 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, 46.491, 156.951 by changing the saturation by 10% instead.


 66, 46.491,
156.951


 66, 46.491,
156.951


 100, 46.491,
156.951


 56, 46.491,
156.951


 86, 46.491,
156.951

 46, 46.491,
156.951

 96, 46.491,
156.951

 36, 46.491,
156.951

 26, 46.491,
156.951

 16, 46.491,
156.951

 6, 46.491, 156.951

 0, 46.491, 156.951

■ 66, 46.491,
156.951

■ 66, 46.491,
156.951

■ 65, 52.980,
155.317

■ 67, 39.368,
158.393

■ 65, 58.738,
153.478

■ 68, 31.736,
159.666

■ 64, 63.727,
151.432

■ 69, 23.734,
160.795

■ 64, 68.033,
149.247

■ 70, 15.498,
161.805

■ 64, 68.631,
148.946

■ 72, 7.151, 162.731

■ 73, 1.205, 343.181

■ 75, 9.490, 344.191

■ 77, 17.644,
344.888

■ 79, 25.622,
345.523

Harmonies

Complementary

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



66, 46.491, 156.951



47, 49.023, 349.981

Rectangle

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



66, 46.491, 156.951



66, 46.491, 206.951



66, 46.491, 336.951



66, 46.491, 26.951

Sweetspot

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



66, 46.492, 156.951



89, 18.539, 161.830



68, 58.419, 125.894



47, 12.975, 161.549



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 46.492, 156.951



83, 66.183, 154.857



67, 31.356, 195.126



37, 4.715, 162.662



55, 60.675, 149.257



7, 12.336, 158.090

Inverse Universe

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



47, 49.023, 349.981



56, 69.048, 352.445



46, 47.611, 25.802



35, 4.772, 344.098



33, 58.005, 0.845



2, 10.636, 349.581

Previews

White Background



This preview shows how the CIE LCh color 66, 46.491, 156.951 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, 46.491, 156.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

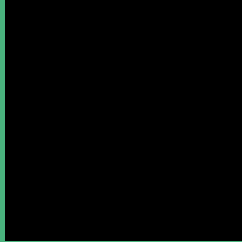
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 46.491, 156.951

Background



This preview shows how black text looks on a background with the CIELCh color 66, 46.491, 156.951.



This preview shows how white text looks on a background with the CIELCh color 66, 46.491, 156.951.

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, 46.491, 156.951

Protanopia
66, 23.645, 95.323

Deuteranopia
65, 17.464, 61.498



Tritanopia
66, 25.150, 215.710

Trichromacy



Original Color
66, 46.491, 156.951



Protanomaly
65, 28.023, 132.952



Deuteranomaly
65, 19.754, 130.798



Tritanomaly
66, 29.515, 184.959

Monochromacy



Original Color
66, 46.491, 156.951



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 18.704, 160.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 46.491, 156.951 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(74, 179, 126)` looks like.

```
.text, #text, p{  
    color:rgb(74, 179, 126)  
}
```

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(74, 179, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 179, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 46.491, 156.951 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(74, 179, 126) }
```

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

```
.border{ border-color:rgb(74, 179, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 179, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 179, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 179, 126);  
box-shadow:4px 4px 4px 4px rgb(74, 179,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 46.491, 156.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 179, 126) }
```

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

```
.background{ background-color: rgb(74, 179,  
126) }
```

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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