

Converting Colors

CIELCh(46, 16.011, 292.344)

Have a look what the booklet for
CIELCh(46, 16.011, 292.344)
contains.

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Color

CIELCh(46, 16.063, 292.362)

Conversions

Conversions Part 1

Format	Color
Hex	6B6B86
RGB	107, 107, 134
RGB Percent	42%, 42%, 53%
CMY	0.5816, 0.5816, 0.4758
CMYK	0.20, 0.20, 0.00, 0.48
HSL	240°, 11%, 47%
HSV	240°, 20%, 52%
XYZ	15.5310, 15.2687, 24.5637
YIQ	110.0780, -8.6670, 8.3970

Conversions

Conversions Part 2

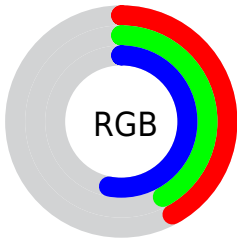
Format	Color
R_{YB}	107, 107, 134
Decimal	7039878
CIE _{Lab}	46.00, 6.11, -14.86
CIE _{LCh}	46, 16.063, 292.362
Yxy	15.2687, 0.2805, 0.2758
Android (android.graphics.Color)	4285229958 (0xFF6B6B86)
YUV	110.0780, 11.7935, -2.6994
Hunter-Lab	39.0751, 2.5658, -9.9187

Details

The CIELCh color $46, 16.063, 292.362$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 15.356, 108.289$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 16.103, 293.103$, and $26, 15.722, 291.887$ is the 20% darker color. If you saturate the color by 10%, you get $41, 24.510, 293.731$, and if you desaturate by 10%, it is $51, 7.951, 291.193$.

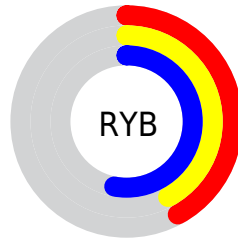
Distribution



Red (42%)

Green (42%)

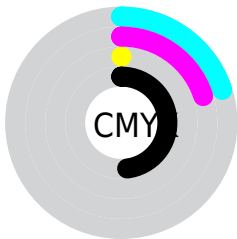
Blue (53%)



Red (42%)

Yellow (42%)

Blue (53%)

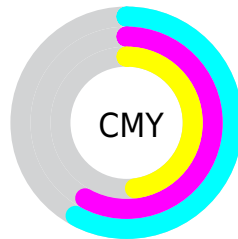


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (48%)



Cyan (58%)


Magenta (58%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.063, 292.362 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 46, 16.063, 292.362 by changing the saturation by 10% instead.


 46, 16.063,
292.362


 46, 16.063,
292.362


 100, 16.063,
292.362


 36, 16.063,
292.362

 66, 16.063,
292.362


 26, 16.063,
292.362

 76, 16.063,
292.362

 16, 16.063,
292.362

 86, 16.063,
292.362

 6, 16.063, 292.362

 96, 16.063,
292.362

 0, 16.063, 292.362

 46, 16.063,

 46, 16.063,

292.362

41, 24.510,
293.731

36, 33.312,
295.327

31, 42.461,
297.156

27, 51.877,
299.190

23, 61.305,
301.331

19, 70.147,
303.380

16, 77.340,
305.041

14, 82.819,
306.284

292.362

51, 7.951, 291.193

56, 0.153, 290.503

61, 7.356, 109.331

65, 14.595,
108.606

70, 21.585,
107.982

75, 28.342,
107.443

79, 34.880,
106.976

84, 41.214,
106.569

88, 47.357,

Harmonies

Complementary

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



46, 16.063, 292.362



55, 15.356, 108.289

Rectangle

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



46, 16.063, 292.362



46, 16.063, 342.362



46, 16.063, 112.362



46, 16.063, 162.362

Sweetspot

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



46, 16.062, 292.361



67, 5.748, 290.773



54, 10.115, 196.939



34, 3.800, 290.825



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 16.062, 292.361



56, 23.822, 292.930



47, 16.824, 309.409



25, 4.362, 291.079



13, 81.189, 306.284



0, 1.028, 290.171

Inverse Universe

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



48, 11.464, 20.770



59, 17.130, 21.184



54, 16.366, 127.591



26, 3.050, 19.867



26, 62.114, 38.502



0, 0.707, 19.392

Previews

White Background



This preview shows how the CIELCh color 46, 16.063, 292.362 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 46, 16.063, 292.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

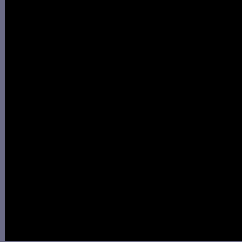
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

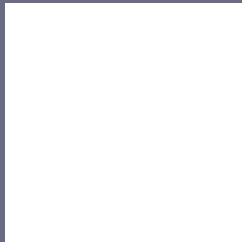
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 16.063, 292.362

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.063, 292.362.



This preview shows how white text looks on a background with the CIELCh color 46, 16.063, 292.362.

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


46, 16.063, 292.362

Protanopia

46, 15.517, 285.514

Deuteranopia

46, 16.063, 292.362



Tritanopia
46, 5.658, 270.718

Trichromacy



Original Color
46, 16.063, 292.362

Protanomaly
46, 15.487, 286.845

Deuteranomaly
46, 16.063, 292.362

Tritanomaly
46, 9.563, 284.599

Monochromacy



Original Color
46, 16.063, 292.362

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.941, 291.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.063, 292.362 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(107, 107, 134)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 134)  
}
```

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(107, 107, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.063, 292.362 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(107, 107, 134) }
```

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

```
.border{ border-color:rgb(107, 107, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 107, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 107, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 107, 134);  
box-shadow:4px 4px 4px 4px rgb(107, 107,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.063, 292.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 134) }
```

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

```
.background{ background-color: rgb(107,  
107, 134) }
```

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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