

Converting Colors

CIELCh(30, 56.247, 290.015)

Have a look what the booklet for
CIELCh(30, 56.247, 290.015)
contains.

CIELCh(30, 56.046, 289.911)	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(30, 56.046, 289.911)

Conversions

Conversions Part 1

Format	Color
Hex	04429A
RGB	4, 66, 154
RGB Percent	2%, 26%, 60%
CMY	0.9859, 0.7416, 0.3966
CMYK	0.98, 0.57, 0.00, 0.40
HSL	215°, 95%, 31%
HSV	215°, 98%, 60%
XYZ	7.8088, 6.2359, 31.3077
YIQ	57.4940, -65.2000, 14.2240

Conversions

Conversions Part 2

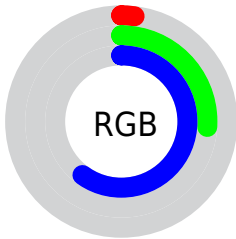
Format	Color
R _Y B	4, 48, 154
Decimal	279194
CIE Lab	30.00, 19.09, -52.70
CIE LCh	30, 56.046, 289.911
Yxy	6.2359, 0.1722, 0.1375
Android (android.graphics.Color)	4278469274 (0xFF04429A)
YUV	57.4940, 47.5775, -46.9142
Hunter-Lab	24.9718, 12.1172, -56.8531

Details

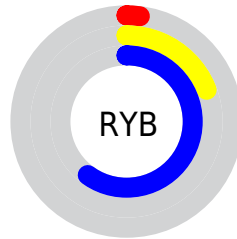
The CIELCh color **30, 56.046, 289.911** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **45, 55.948, 69.083**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 56.063, 289.948**, and **14, 53.605, 299.030** is the 20% darker color. If you saturate the color by 10%, you get **29, 57.508, 290.761**, and if you desaturate by 10%, it is **33, 49.923, 285.976**.

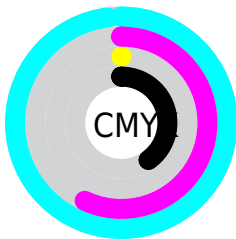
Distribution



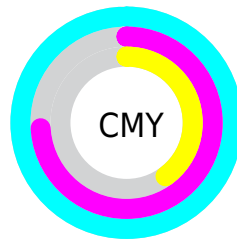
- Red (2%)
- Green (26%)
- Blue (60%)



- Red (2%)
- Yellow (19%)
- Blue (60%)



- Cyan (98%)
- Magenta (57%)
- Yellow (0%)
- Black (40%)



- Cyan (99%)
- Magenta (74%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 56.046, 289.911 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 30, 56.046, 289.911 by changing the saturation by 10% instead.

■ 30, 56.046,
289.911

■ 30, 56.046,
289.911

■ 100, 56.046,
289.911

■ 20, 56.046,
289.911

■ 50, 56.046,
289.911

■ 10, 56.046,
289.911

■ 60, 56.046,
289.911

■ 0, 56.046, 289.911

■ 70, 56.046,
289.911

■ 80, 56.046,
289.911

■ 90, 56.046,
289.911

■ 30, 56.046,
289.911

■ 30, 56.046,
289.911

■ 29, 57.508,
290.761

■ 33, 49.923,
285.976

■ 36, 43.961,
282.119

■ 39, 38.138,
278.568

■ 43, 32.412,
275.407

■ 46, 26.742,
272.654

■ 50, 21.100,
270.289

■ 53, 15.474,
268.272

■ 57, 9.863, 266.556

Harmonies

Complementary

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



30, 56.046, 289.911



45, 55.948, 69.083

Rectangle

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



30, 56.046, 289.911



30, 56.046, 339.911



30, 56.046, 109.911



30, 56.046, 159.911

Sweetspot

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



30, 56.046, 289.913



67, 20.005, 268.631



56, 54.630, 154.580



33, 13.699, 269.405



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



30, 56.046, 289.913



38, 70.981, 291.588



18, 90.028, 306.363



30, 3.138, 265.320



27, 53.284, 290.406



1, 3.410, 264.726

Inverse Universe

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



33, 57.457, 8.459



42, 70.211, 10.545



61, 66.255, 107.866



30, 3.960, 349.282



29, 54.163, 9.011



1, 4.204, 348.947

Previews

White Background



This preview shows how the CIE LCh color 30, 56.046, 289.911 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 56.046, 289.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

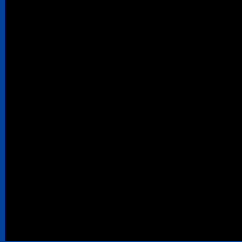
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 56.046, 289.911

Background



This preview shows how black text looks on a background with the CIELCh color 30, 56.046, 289.911.



This preview shows how white text looks on a background with the CIELCh color 30, 56.046, 289.911.

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


30, 56.046, 289.911

Protanopia

30, 49.441, 286.061

Deuteranopia

30, 34.917, 272.681



Tritanopia
30, 20.789, 205.560

Trichromacy



Original Color
30, 56.046, 289.911

Protanomaly
30, 51.863, 287.630

Deuteranomaly
30, 42.296, 280.972

Tritanomaly
29, 26.399, 257.405

Monochromacy



Original Color
30, 56.046, 289.911

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 21.836, 275.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 56.046, 289.911 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(4, 66, 154)` looks like.

```
.text, #text, p{  
    color:rgb(4, 66, 154)  
}
```

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(4, 66, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 66, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 56.046, 289.911 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(4, 66, 154) }
```

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

```
.border{ border-color:rgb(4, 66, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 66, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 66, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 66, 154);  
box-shadow:4px 4px 4px 4px rgb(4, 66, 154)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 56.046, 289.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 66, 154) }
```

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

```
.background{ background-color: rgb(4, 66,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor