

Converting Colors

CIELCh(30, 56.744, 290.108)

Have a look what the booklet for
CIELCh(30, 56.744, 290.108)
contains.

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Color

CIELCh(30, 56.652, 290.038)

Conversions

Conversions Part 1

Format	Color
Hex	01429B
RGB	1, 66, 155
RGB Percent	0%, 26%, 61%
CMY	0.9955, 0.7420, 0.3932
CMYK	0.99, 0.57, 0.00, 0.39
HSL	215°, 99%, 31%
HSV	215°, 99%, 61%
XYZ	7.8438, 6.2359, 31.6841
YIQ	56.7110, -67.3090, 13.8990

Conversions

Conversions Part 2

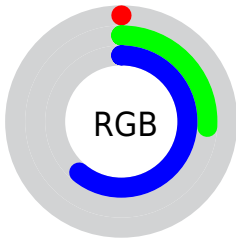
Format	Color
R _Y B	1, 47, 155
Decimal	82587
CIE Lab	30.00, 19.41, -53.22
CIE LCh	30, 56.652, 290.038
Yxy	6.2359, 0.1714, 0.1363
Android (android.graphics.Color)	4278272667 (0xFF01429B)
YUV	56.7110, 48.4565, -48.8585
Hunter-Lab	24.9718, 12.3675, -57.7467

Details

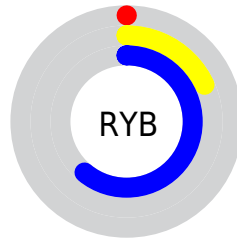
The CIELCh color **30, 56.652, 290.038** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **45, 56.867, 68.159**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 56.623, 290.103**, and **14, 54.212, 299.174** is the 20% darker color. If you saturate the color by 10%, you get **30, 57.116, 290.310**, and if you desaturate by 10%, it is **33, 50.561, 286.118**.

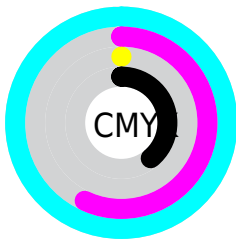
Distribution



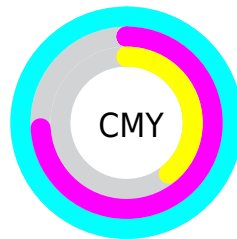
- Red (0%)
- Green (26%)
- Blue (61%)



- Red (0%)
- Yellow (18%)
- Blue (61%)



- Cyan (99%)
- Magenta (57%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (74%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 56.652, 290.038 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, 56.652, 290.038 by changing the saturation by 10% instead.


 30, 56.652,
290.038


 30, 56.652,
290.038

 100, 56.652,
290.038


 20, 56.652,
290.038


 50, 56.652,
290.038


 10, 56.652,
290.038

 60, 56.652,
290.038

 0, 56.652, 290.038

 70, 56.652,
290.038

 80, 56.652,
290.038

 90, 56.652,
290.038

■ 30, 56.652,
290.038

■ 30, 56.652,
290.038

■ 30, 57.116,
290.310

■ 33, 50.561,
286.118

■ 36, 44.639,
282.196

■ 39, 38.856,
278.567

■ 43, 33.170,
275.324

■ 46, 27.537,
272.495

■ 50, 21.928,
270.063

■ 53, 16.327,
267.987

■ 57, 10.733,

266.223

■ 60, 5.152, 264.736

Harmonies

Complementary

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



30, 56.652, 290.038



45, 56.867, 68.159

Rectangle

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



30, 56.652, 290.038



30, 56.652, 340.038



30, 56.652, 110.038



30, 56.652, 160.038

Sweetspot

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



30, 56.652, 290.040



68, 20.763, 268.246



56, 56.439, 153.251



34, 14.283, 269.038



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



30, 56.652, 290.040



39, 70.905, 291.161



18, 91.375, 306.449



30, 3.118, 264.731



27, 52.679, 289.931



1, 3.390, 264.153

Inverse Universe

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



33, 58.023, 8.572



43, 70.830, 9.981



61, 66.782, 106.895



30, 3.975, 348.902



29, 54.139, 8.416



1, 4.221, 348.573

Previews

White Background



This preview shows how the CIE LCh color 30, 56.652, 290.038 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 CIE LCh color 30, 56.652, 290.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

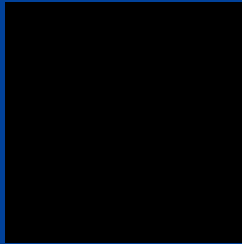
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 56.652, 290.038

Background



This preview shows how black text looks on a background with the CIELCh color 30, 56.652, 290.038.



This preview shows how white text looks on a background with the CIELCh color 30, 56.652, 290.038.

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, 56.661, 289.984

Protanopia

30, 49.441, 286.061

Deuteranopia

30, 34.917, 272.681



Tritanopia
30, 20.789, 205.560

Trichromacy



Original Color
30, 56.661, 289.984

Protanomaly
30, 52.462, 287.851

Deuteranomaly
30, 42.890, 281.322

Tritanomaly
29, 26.888, 258.376

Monochromacy



Original Color
30, 56.661, 289.984

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 22.506, 275.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 56.652, 290.038 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(1, 66, 155)` looks like.

```
.text, #text, p{  
    color:rgb(1, 66, 155)  
}
```

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(1, 66, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 66, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 56.652, 290.038 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(1, 66, 155) }
```

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

```
.border{ border-color:rgb(1, 66, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 66, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 66, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 66, 155);  
box-shadow:4px 4px 4px 4px rgb(1, 66, 155)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 56.652, 290.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 66, 155) }
```

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

```
.background{ background-color: rgb(1, 66,  
155) }
```

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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