

Converting Colors

CIELCh(36, 55.302, 290.782)

Have a look what the booklet for
CIELCh(36, 55.302, 290.782)
contains.

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Color

CIELCh(36, 55.035, 290.623)

Conversions

Conversions Part 1

Format	Color
Hex	2D4FA8
RGB	45, 79, 168
RGB Percent	18%, 31%, 66%
CMY	0.8226, 0.6897, 0.3405
CMYK	0.73, 0.53, 0.00, 0.34
HSL	223°, 58%, 42%
HSV	223°, 73%, 66%
XYZ	10.9811, 9.0082, 38.2857
YIQ	78.9800, -48.8330, 20.4710

Conversions

Conversions Part 2

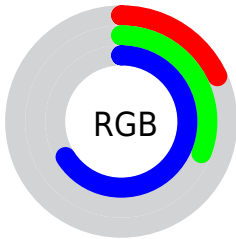
Format	Color
R _Y B	45, 72, 168
Decimal	2969512
CIE Lab	36.00, 19.38, -51.51
CIE LCh	36, 55.035, 290.623
Yxy	9.0082, 0.1884, 0.1546
Android (android.graphics.Color)	4281159592 (0xFF2D4FA8)
YUV	78.9800, 43.8869, -29.8005
Hunter-Lab	30.0136, 12.7839, -54.6215




Details

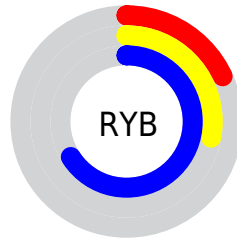
The CIELCh color **36, 55.035, 290.623** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **58, 50.564, 85.920**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 54.865, 290.432**, and **18, 53.657, 296.153** is the 20% darker color. If you saturate the color by 10%, you get **32, 63.430, 293.880**, and if you desaturate by 10%, it is **40, 46.835, 287.589**.

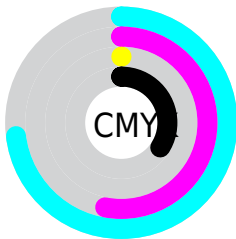
Distribution







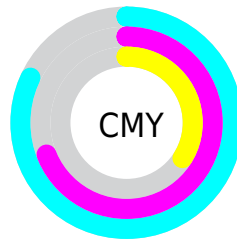
-  Red (18%)
-  Green (31%)
-  Blue (66%)






-  Red (18%)
-  Yellow (28%)
-  Blue (66%)



-  Cyan (73%)
-  Magenta (53%)
-  Yellow (0%)
-  Black (34%)





-  Cyan (82%)
-  Magenta (69%)
-  Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 55.035, 290.623 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 36, 55.035, 290.623 by changing the saturation by 10% instead.


 36, 55.035,
290.623


 36, 55.035,
290.623

 100, 55.035,
290.623


 26, 55.035,
290.623

 56, 55.035,
290.623


 16, 55.035,
290.623


 66, 55.035,
290.623

 6, 55.035, 290.623

 76, 55.035,
290.623

 0, 55.035, 290.623

 86, 55.035,
290.623

 96, 55.035,
290.623

■ 36, 55.035,
290.623

■ 36, 55.035,
290.623

■ 32, 63.430,
293.880

■ 40, 46.835,
287.589

■ 28, 71.835,
297.181

■ 45, 38.879,
284.865

■ 26, 77.470,
299.268

■ 49, 31.157,
282.480

■ 54, 23.643,
280.420

■ 58, 16.315,
278.653

■ 63, 9.154, 277.144

■ 68, 2.151, 275.902

■ 72, 4.702, 94.654

Harmonies

Complementary

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



36, 55.035, 290.623



58, 50.564, 85.920

Rectangle

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



36, 55.035, 290.623



36, 55.035, 340.623



36, 55.035, 110.623



36, 55.035, 160.623

Sweetspot

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



36, 55.035, 290.624



75, 19.266, 278.539



62, 42.506, 168.458



38, 12.962, 278.963



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



36, 55.035, 290.624



40, 83.998, 296.036



30, 76.148, 305.803



33, 3.941, 276.630



23, 69.750, 298.918



2, 7.434, 278.065

Inverse Universe

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



39, 52.768, 10.562



48, 74.159, 17.511



65, 62.467, 114.616



33, 3.973, 358.461



31, 58.755, 22.156



1, 6.982, 0.439

Previews

White Background



This preview shows how the CIE LCh color 36, 55.035, 290.623 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 36, 55.035, 290.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

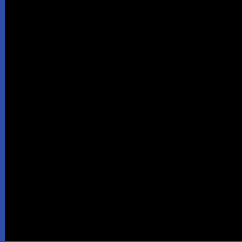
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 55.035, 290.623

Background



This preview shows how black text looks on a background with the CIELCh color 36, 55.035, 290.623.



This preview shows how white text looks on a background with the CIELCh color 36, 55.035, 290.623.

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

36, 55.035, 290.623

Protanopia

36, 55.901, 287.290

Deuteranopia

36, 41.288, 274.995



Tritanopia
36, 23.416, 205.874

Trichromacy



Original Color
36, 55.035, 290.623

Protanomaly
36, 55.834, 288.442

Deuteranomaly
36, 46.078, 280.861

Tritanomaly
35, 27.301, 254.029

Monochromacy



Original Color
36, 55.035, 290.623

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 20.349, 281.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 55.035, 290.623 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(45, 79, 168)` looks like.

```
.text, #text, p{  
    color:rgb(45, 79, 168)  
}
```

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(45, 79, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 79, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 55.035, 290.623 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(45, 79, 168) }
```

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

```
.border{ border-color:rgb(45, 79, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 79, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 79, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 79, 168);  
box-shadow:4px 4px 4px 4px rgb(45, 79,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 55.035, 290.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 79, 168) }
```

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

```
.background{ background-color: rgb(45, 79,  
168) }
```

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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