

Converting Colors

CIELCh(36, 42.024, 286.635)

Have a look what the booklet for
CIELCh(36, 42.024, 286.635)
contains.

CIELCh(36, 41.730, 286.393)	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(36, 41.730, 286.393)

Conversions

Conversions Part 1

Format	Color
Hex	365295
RGB	54, 82, 149
RGB Percent	21%, 32%, 58%
CMY	0.7878, 0.6781, 0.4153
CMYK	0.64, 0.45, 0.00, 0.42
HSL	222°, 47%, 40%
HSV	222°, 64%, 58%
XYZ	9.9838, 9.0082, 29.6878
YIQ	81.2660, -38.1950, 14.9010

Conversions

Conversions Part 2

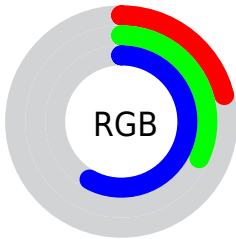
Format	Color
R_{YB}	54, 76, 149
Decimal	3560085
CIE _{Lab}	36.00, 11.78, -40.03
CIE _{LCh}	36, 41.730, 286.393
Yxy	9.0082, 0.2051, 0.1850
Android (android.graphics.Color)	4281750165 (0xFF365295)
YUV	81.2660, 33.3929, -23.9123
Hunter-Lab	30.0136, 6.8529, -37.6368

Details

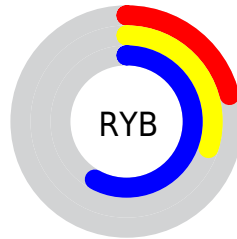
The CIELCh color $36, 41.730, 286.393$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $52, 40.079, 85.901$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 41.936, 286.528$, and $17, 41.525, 290.682$ is the 20% darker color. If you saturate the color by 10%, you get $32, 48.921, 289.451$, and if you desaturate by 10%, it is $40, 34.745, 283.656$.

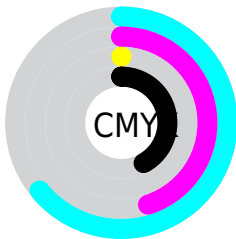
Distribution



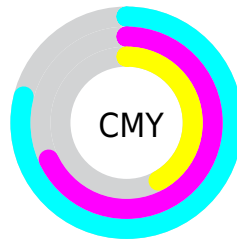
- Red (21%)
- Green (32%)
- Blue (58%)



- Red (21%)
- Yellow (30%)
- Blue (58%)



- Cyan (64%)
- Magenta (45%)
- Yellow (0%)
- Black (42%)





- Cyan (79%)
- Magenta (68%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 41.730, 286.393 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, 41.730, 286.393 by changing the saturation by 10% instead.


 36, 41.730,
286.393


 36, 41.730,
286.393

 100, 41.730,
286.393


 26, 41.730,
286.393

 56, 41.730,
286.393


 16, 41.730,
286.393


 66, 41.730,
286.393

 6, 41.730, 286.393

 76, 41.730,
286.393

 0, 41.730, 286.393

 86, 41.730,
286.393

 96, 41.730,
286.393

■ 36, 41.730,
286.393

■ 36, 41.730,
286.393

■ 32, 48.921,
289.451

■ 40, 34.745,
283.656

■ 29, 56.295,
292.743

■ 44, 27.952,
281.258

■ 25, 63.730,
296.109

■ 48, 21.325,
279.186

■ 24, 68.352,
298.043

■ 52, 14.846,
277.406

■ 56, 8.501, 275.884

■ 60, 2.281, 274.621

■ 64, 3.817, 93.360

■ 68, 9.798, 92.397

■ 72, 15.661, 91.537

Harmonies

Complementary

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



36, 41.730, 286.393



52, 40.079, 85.901

Rectangle

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



36, 41.730, 286.393



36, 41.730, 336.393



36, 41.730, 106.393



36, 41.730, 156.393

Sweetspot

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



36, 41.730, 286.394



69, 14.673, 276.719



56, 35.590, 168.805



35, 10.095, 277.126



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



36, 41.730, 286.394



41, 62.788, 290.691



30, 60.025, 304.270



29, 3.467, 275.275



22, 64.030, 297.792



1, 3.009, 274.108

Inverse Universe

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



37, 42.600, 5.993



44, 60.809, 10.371



59, 50.839, 114.091



29, 3.599, 357.127



28, 55.170, 20.100



1, 3.092, 356.338

Previews

White Background



This preview shows how the CIELCh color 36, 41.730, 286.393 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, 41.730, 286.393 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, 41.730, 286.393

Background



This preview shows how black text looks on a background with the CIELCh color 36, 41.730, 286.393.



This preview shows how white text looks on a background with the CIELCh color 36, 41.730, 286.393.

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, 41.730, 286.393

Protanopia

36, 41.760, 286.107

Deuteranopia

36, 39.553, 277.256



Tritanopia
36, 20.343, 211.322

Trichromacy



Original Color
36, 41.730, 286.393

Protanomaly
36, 41.760, 286.107

Deuteranomaly
36, 39.824, 279.910

Tritanomaly
36, 22.763, 251.223

Monochromacy



Original Color
36, 41.730, 286.393

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 15.935, 279.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 41.730, 286.393 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(54, 82, 149)` looks like.

```
.text, #text, p{  
    color:rgb(54, 82, 149)  
}
```

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(54, 82, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 82, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 41.730, 286.393 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(54, 82, 149) }
```

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

```
.border{ border-color:rgb(54, 82, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 82, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 82, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 82, 149);  
box-shadow:4px 4px 4px 4px rgb(54, 82,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 41.730, 286.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 82, 149) }
```

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

```
.background{ background-color: rgb(54, 82,  
149) }
```

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