

Converting Colors

CIELCh(39, 46.646, 286.477)

Have a look what the booklet for
CIELCh(39, 46.646, 286.477)
contains.

CIELCh(39, 46.646, 286.480)	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(39, 46.646, 286.480)

Conversions

Conversions Part 1

Format	Color
Hex	3759A5
RGB	55, 89, 165
RGB Percent	22%, 35%, 65%
CMY	0.7846, 0.6512, 0.3532
CMYK	0.67, 0.46, 0.00, 0.35
HSL	221°, 50%, 43%
HSV	221°, 67%, 65%
XYZ	11.9239, 10.6589, 36.9937
YIQ	87.4980, -44.6600, 16.4280

Conversions

Conversions Part 2

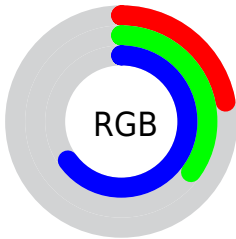
Format	Color
R_{YB}	55, 81, 165
Decimal	3627429
CIE _{Lab}	39.00, 13.23, -44.73
CIE _{LCh}	39, 46.646, 286.480
Yxy	10.6589, 0.2001, 0.1789
Android (android.graphics.Color)	4281817509 (0xFF3759A5)
YUV	87.4980, 38.2085, -28.5007
Hunter-Lab	32.6480, 8.0588, -44.3283

Details

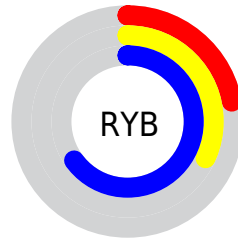
The CIELCh color `39, 46.646, 286.480` is a dark color, and the websafe version is hex `3366CC`. A complement of this color would be `57, 45.031, 84.198`, and the grayscale version is `37, 0.005, 296.813`.

A 20% lighter version of the original color is `59, 46.618, 286.221`, and `20, 45.989, 291.005` is the 20% darker color. If you saturate the color by 10%, you get `35, 54.324, 289.708`, and if you desaturate by 10%, it is `43, 39.183, 283.567`.

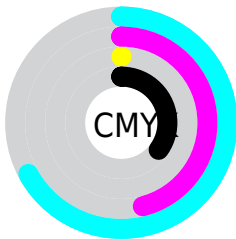
Distribution



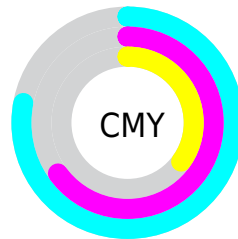
- Red (22%)
- Green (35%)
- Blue (65%)



- Red (22%)
- Yellow (32%)
- Blue (65%)



- Cyan (67%)
- Magenta (46%)
- Yellow (0%)
- Black (35%)




- Cyan (78%)
- Magenta (65%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 46.646, 286.480 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 39, 46.646, 286.480 by changing the saturation by 10% instead.

 39, 46.646,
286.480


 39, 46.646,
286.480

 100, 46.646,
286.480


 29, 46.646,
286.480

 59, 46.646,
286.480

 19, 46.646,
286.480

 69, 46.646,
286.480

 9, 46.646, 286.480

 79, 46.646,
286.480

 0, 46.646, 286.480

 89, 46.646,
286.480

 99, 46.646,
286.480

■ 39, 46.646,
286.480

■ 39, 46.646,
286.480

■ 35, 54.324,
289.708

■ 43, 39.183,
283.567

■ 31, 62.181,
293.140

■ 47, 31.921,
281.005

■ 28, 70.062,
296.567

■ 52, 24.833,
278.787

■ 27, 72.638,
297.590

■ 56, 17.894,
276.884

■ 60, 11.090,
275.255

■ 65, 4.412, 273.878

■ 69, 2.144, 92.532

■ 74, 8.582, 91.551

Harmonies

Complementary

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



39, 46.646, 286.480



57, 45.031, 84.198

Rectangle

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



39, 46.646, 286.480



39, 46.646, 336.480



39, 46.646, 106.480



39, 46.646, 156.480

Sweetspot

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



39, 46.646, 286.481



75, 16.487, 275.823



61, 40.551, 167.059



38, 11.256, 276.256



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



39, 46.646, 286.481



44, 70.525, 291.330



32, 68.453, 304.342



32, 3.702, 274.205



23, 65.481, 297.211



1, 5.902, 275.152

Inverse Universe

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



40, 48.174, 5.836



48, 68.137, 10.928



64, 57.074, 113.192



32, 3.936, 356.123



30, 57.110, 19.082



1, 5.927, 357.350

Previews

White Background



This preview shows how the CIE LCh color 39, 46.646, 286.480 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 CIELCh color 39, 46.646, 286.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

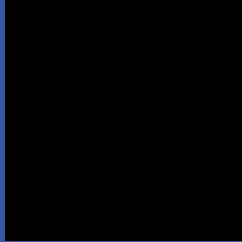
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 46.646, 286.480

Background



This preview shows how black text looks on a background with the CIELCh color 39, 46.646, 286.480.



This preview shows how white text looks on a background with the CIELCh color 39, 46.646, 286.480.

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

39, 46.646, 286.480

Protanopia

39, 46.646, 286.480

Deuteranopia

39, 44.652, 277.485



Tritanopia
39, 23.924, 208.697

Trichromacy



Original Color
39, 46.646, 286.480

Protanomaly
39, 46.646, 286.480

Deuteranomaly
39, 44.924, 279.780

Tritanomaly
39, 26.188, 249.267

Monochromacy



Original Color
39, 46.646, 286.480

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 17.128, 277.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 46.646, 286.480 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(55, 89, 165)` looks like.

```
.text, #text, p{  
    color:rgb(55, 89, 165)  
}
```

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(55, 89, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 89, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 46.646, 286.480 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(55, 89, 165) }
```

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

```
.border{ border-color:rgb(55, 89, 165) }
```

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

Here you see how a box with a 4 pixel rgb(55, 89, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 89, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 89, 165);  
box-shadow:4px 4px 4px 4px rgb(55, 89,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 46.646, 286.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 89, 165) }
```

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

```
.background{ background-color: rgb(55, 89,  
165) }
```

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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