

Converting Colors

CIELCh(46, 34.517, 286.474)

Have a look what the booklet for
CIELCh(46, 34.517, 286.474)
contains.

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Color

CIELCh(46, 34.608, 286.569)

Conversions

Conversions Part 1

Format	Color
Hex	5A6AA4
RGB	90, 106, 164
RGB Percent	35%, 42%, 64%
CMY	0.6456, 0.5829, 0.3553
CMYK	0.45, 0.35, 0.00, 0.36
HSL	227°, 29%, 50%
HSV	227°, 45%, 64%
XYZ	16.1803, 15.2687, 37.4009
YIQ	107.8280, -28.1540, 14.6460

Conversions

Conversions Part 2

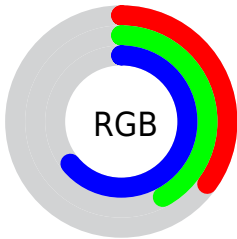
Format	Color
R_{YB}	90, 103, 164
Decimal	5925540
CIE Lab	46.00, 9.87, -33.17
CIE LCh	46, 34.608, 286.569
Yxy	15.2687, 0.2350, 0.2218
Android (android.graphics.Color)	4284115620 (0xFF5A6AA4)
YUV	107.8280, 27.6928, -15.6352
Hunter-Lab	39.0751, 5.5322, -29.3971

Details

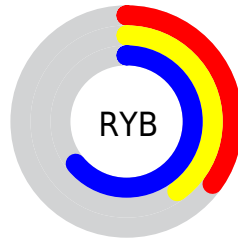
The CIELCh color **46, 34.608, 286.569** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **62, 32.827, 94.107**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 34.512, 286.396**, and **26, 34.817, 286.881** is the 20% darker color. If you saturate the color by 10%, you get **41, 42.976, 288.906**, and if you desaturate by 10%, it is **51, 26.513, 284.542**.

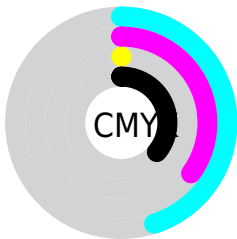
Distribution



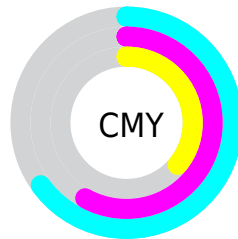
- Red (35%)
- Green (42%)
- Blue (64%)



- Red (35%)
- Yellow (40%)
- Blue (64%)



- Cyan (45%)
- Magenta (35%)
- Yellow (0%)
- Black (36%)





- Cyan (65%)
- Magenta (58%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 34.608, 286.569 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 46, 34.608, 286.569 by changing the saturation by 10% instead.


 46, 34.608,
286.569


 46, 34.608,
286.569


 100, 34.608,
286.569


 36, 34.608,
286.569

 66, 34.608,
286.569


 26, 34.608,
286.569

 76, 34.608,
286.569

 16, 34.608,
286.569

 86, 34.608,
286.569

 6, 34.608, 286.569

 96, 34.608,
286.569

 0, 34.608, 286.569

 46, 34.608,

 46, 34.608,

286.569

286.569

■ 41, 42.976,
288.906

■ 51, 26.513,
284.542

■ 37, 51.631,
291.550

■ 56, 18.669,
282.799

■ 32, 60.529,
294.448

■ 60, 11.054,
281.308

■ 28, 69.499,
297.471

■ 65, 3.650, 280.049

■ 25, 78.131,
300.398

■ 70, 3.559, 98.862

■ 75, 10.581, 97.930

■ 23, 82.136,
301.659

■ 79, 17.426, 97.101

■ 84, 24.101, 96.372

■ 89, 30.613, 95.728

Harmonies

Complementary

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



46, 34.608, 286.569



62, 32.827, 94.107

Rectangle

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



46, 34.608, 286.569



46, 34.608, 336.569



46, 34.608, 106.569



46, 34.608, 156.569

Sweetspot

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



46, 34.607, 286.569



77, 12.769, 281.204



63, 27.085, 177.589



40, 8.824, 281.488



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



46, 34.607, 286.569



54, 52.319, 288.903



43, 44.983, 304.559



32, 4.108, 280.553



20, 74.339, 301.367



1, 6.468, 280.672

Inverse Universe

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



47, 32.431, 7.802



57, 48.560, 9.943



64, 40.815, 118.577



32, 3.775, 2.837



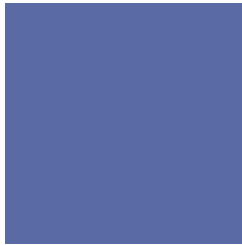
30, 59.951, 27.071



1, 5.700, 3.589

Previews

White Background



This preview shows how the CIE LCh color 46, 34.608, 286.569 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 CIE LCh color 46, 34.608, 286.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

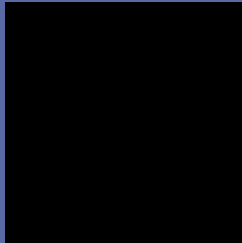
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

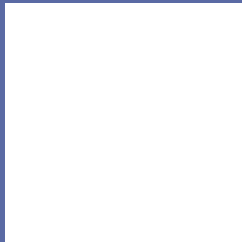
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 34.608, 286.569

Background



This preview shows how black text looks on a background with the CIELCh color 46, 34.608, 286.569.

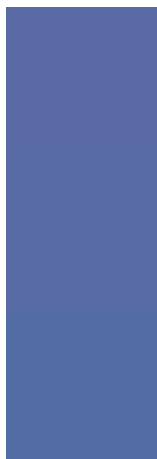


This preview shows how white text looks on a background with the CIELCh color 46, 34.608, 286.569.

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

46, 34.608, 286.569

Protanopia

46, 34.659, 285.115

Deuteranopia

46, 33.727, 281.695



Tritanopia
46, 13.716, 221.247

Trichromacy



Original Color
46, 34.608, 286.569

Protanomaly
46, 34.623, 285.576

Deuteranomaly
46, 34.165, 283.907

Tritanomaly
46, 18.414, 260.057

Monochromacy



Original Color
46, 34.608, 286.569

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.191, 283.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 34.608, 286.569 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(90, 106, 164)` looks like.

```
.text, #text, p{  
    color:rgb(90, 106, 164)  
}
```

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(90, 106, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 106, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 34.608, 286.569 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(90, 106, 164) }
```

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

```
.border{ border-color:rgb(90, 106, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 106, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 106, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 106, 164);  
box-shadow:4px 4px 4px 4px rgb(90, 106,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 34.608, 286.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 106, 164) }
```

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

```
.background{ background-color: rgb(90, 106,  
164) }
```

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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