

Converting Colors

CIELCh(46, 54.451, 290.426)

Have a look what the booklet for
CIELCh(46, 54.451, 290.426)
contains.

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Color

CIELCh(46, 54.529, 290.503)

Conversions

Conversions Part 1

Format	Color
Hex	4E67C3
RGB	78, 103, 195
RGB Percent	31%, 40%, 76%
CMY	0.6940, 0.5960, 0.2352
CMYK	0.60, 0.47, 0.00, 0.24
HSL	227°, 49%, 54%
HSV	227°, 60%, 76%
XYZ	17.8516, 15.2687, 53.6544
YIQ	106.0130, -44.4320, 23.3120

Conversions

Conversions Part 2

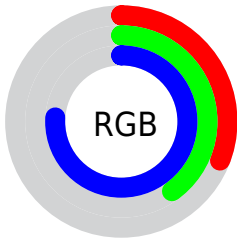
Format	Color
R _Y B	78, 99, 195
Decimal	5138371
CIE Lab	46.00, 19.10, -51.07
CIE LCh	46, 54.529, 290.503
Yxy	15.2687, 0.2057, 0.1760
Android (android.graphics.Color)	4283328451 (0xFF4E67C3)
YUV	106.0130, 43.8706, -24.5674
Hunter-Lab	39.0751, 13.1667, -54.0589

Details

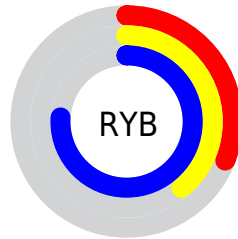
The CIELCh color **46, 54.529, 290.503** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **70, 49.799, 92.292**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.266, 290.289**, and **26, 54.521, 291.188** is the 20% darker color. If you saturate the color by 10%, you get **41, 64.685, 293.335**, and if you desaturate by 10%, it is **51, 44.689, 287.964**.

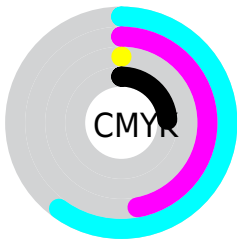
Distribution



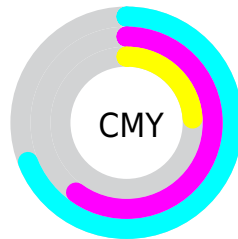
- Red (31%)
- Green (40%)
- Blue (76%)



- Red (31%)
- Yellow (39%)
- Blue (76%)



- Cyan (60%)
- Magenta (47%)
- Yellow (0%)
- Black (24%)





- Cyan (69%)
- Magenta (60%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 54.529, 290.503 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, 54.529, 290.503 by changing the saturation by 10% instead.


 46, 54.529,
290.503


 46, 54.529,
290.503


 100, 54.529,
290.503

 36, 54.529,
290.503

 66, 54.529,
290.503


 26, 54.529,
290.503

 76, 54.529,
290.503

 16, 54.529,
290.503

 86, 54.529,
290.503

 6, 54.529, 290.503

 96, 54.529,
290.503

 0, 54.529, 290.503

 46, 54.529,

 46, 54.529,

290.503

■ 41, 64.685,
293.335

■ 36, 75.030,
296.356

■ 32, 85.201,
299.379

■ 28, 94.522,
302.079

■ 28, 94.535,
302.083

290.503

■ 51, 44.689,
287.964

■ 57, 35.182,
285.743

■ 62, 25.986,
283.829

■ 68, 17.072,
282.192

■ 73, 8.415, 280.797

■ 79, 0.004, 58.146

■ 84, 8.197, 98.513

■ 90, 16.179, 97.622

■ 95, 23.957, 96.840

Harmonies

Complementary

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



46, 54.529, 290.503



70, 49.799, 92.292

Rectangle

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



46, 54.529, 290.503



46, 54.529, 340.503



46, 54.529, 110.503



46, 54.529, 160.503

Sweetspot

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



46, 54.529, 290.504



87, 18.915, 281.938



72, 39.096, 175.664



45, 13.306, 282.384



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 54.529, 290.504



51, 82.466, 294.267



42, 70.105, 306.064



38, 4.749, 280.718



23, 80.833, 301.689



2, 16.589, 284.620

Inverse Universe

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



50, 49.957, 11.586



58, 72.819, 15.853



74, 60.839, 117.898



38, 4.350, 3.030



33, 64.866, 27.769



3, 14.325, 7.909

Previews

White Background



This preview shows how the CIE LCh color 46, 54.529, 290.503 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, 54.529, 290.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

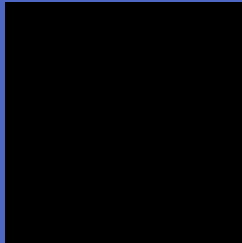
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 54.529, 290.503

Background



This preview shows how black text looks on a background with the CIELCh color 46, 54.529, 290.503.



This preview shows how white text looks on a background with the CIELCh color 46, 54.529, 290.503.

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, 54.529, 290.503

Protanopia

46, 54.783, 286.886

Deuteranopia

46, 50.549, 278.075



Tritanopia
46, 22.312, 211.211

Trichromacy



Original Color
46, 54.529, 290.503

Protanomaly
46, 54.708, 288.112

Deuteranomaly
46, 52.367, 282.309

Tritanomaly
46, 27.137, 258.028

Monochromacy



Original Color
46, 54.529, 290.503

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 19.863, 283.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 54.529, 290.503 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(78, 103, 195)` looks like.

```
.text, #text, p{  
    color:rgb(78, 103, 195)  
}
```

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(78, 103, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 103, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 54.529, 290.503 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(78, 103, 195) }
```

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

```
.border{ border-color:rgb(78, 103, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 103, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 103, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 103, 195);  
box-shadow:4px 4px 4px 4px rgb(78, 103,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 54.529, 290.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 103, 195) }
```

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

```
.background{ background-color: rgb(78, 103,  
195) }
```

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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