

Converting Colors

CIELCh(46, 27.532, 251.962)

Have a look what the booklet for
CIELCh(46, 27.532, 251.962)
contains.

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Color

CIELCh(46, 27.502, 251.964)

Conversions

Conversions Part 1

Format	Color
Hex	327398
RGB	50, 115, 152
RGB Percent	20%, 45%, 60%
CMY	0.8029, 0.5482, 0.4030
CMYK	0.67, 0.24, 0.00, 0.40
HSL	202°, 50%, 40%
HSV	202°, 67%, 60%
XYZ	13.1689, 15.2687, 32.0543
YIQ	99.7830, -50.6170, -2.2730

Conversions

Conversions Part 2

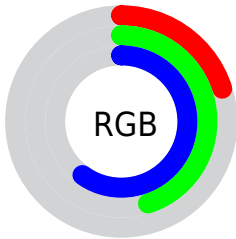
Format	Color
RYB	50, 90, 152
Decimal	3306392
CIELab	46.00, -8.52, -26.15
CIElCh	46, 27.502, 251.964
Yxy	15.2687, 0.2177, 0.2524
Android (android.graphics.Color)	4281496472 (0xFF327398)
YUV	99.7830, 25.7430, -43.6597
Hunter-Lab	39.0751, -8.2242, -21.2845

Details

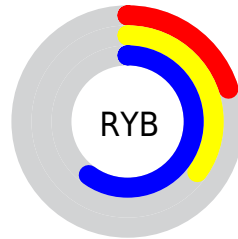
The CIELCh color **46, 27.502, 251.964** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 40.138, 54.337**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 27.373, 251.154**, and **27, 25.562, 259.403** is the 20% darker color. If you saturate the color by 10%, you get **44, 30.532, 255.646**, and if you desaturate by 10%, it is **48, 24.178, 248.879**.

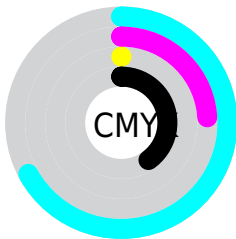
Distribution



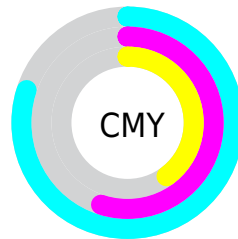
- Red (20%)
- Green (45%)
- Blue (60%)



- Red (20%)
- Yellow (35%)
- Blue (60%)



- Cyan (67%)
- Magenta (24%)
- Yellow (0%)
- Black (40%)




- Cyan (80%)
- Magenta (55%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 27.502, 251.964 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, 27.502, 251.964 by changing the saturation by 10% instead.


 46, 27.502,
251.964


 46, 27.502,
251.964


 100, 27.502,
251.964


 36, 27.502,
251.964

 66, 27.502,
251.964


 26, 27.502,
251.964

 76, 27.502,
251.964

 16, 27.502,
251.964

 86, 27.502,
251.964

 6, 27.502, 251.964

 96, 27.502,
251.964

 0, 27.502, 251.964

 46, 27.502,

 46, 27.502,

251.964

■ 44, 30.532,
255.646

■ 42, 33.333,
259.934

■ 40, 36.031,
264.683

■ 39, 36.879,
266.066

251.964

■ 48, 24.178,
248.879

■ 51, 20.542,
246.335

■ 53, 16.604,
244.257

■ 56, 12.395,
242.569

■ 58, 7.954, 241.206

■ 61, 3.324, 240.148

■ 64, 1.454, 58.848

■ 67, 6.345, 58.293

■ 69, 11.319, 57.692

Harmonies

Complementary

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



46, 27.502, 251.964



44, 40.138, 54.337

Rectangle

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



46, 27.502, 251.964



46, 27.502, 301.964



46, 27.502, 71.964



46, 27.502, 121.964

Sweetspot

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



46, 27.501, 251.964



74, 11.579, 241.640



56, 51.768, 149.217



38, 7.840, 241.987



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 27.501, 251.964



56, 38.828, 257.562



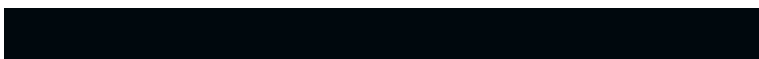
31, 54.604, 295.183



31, 2.694, 240.354



36, 34.570, 265.659



2, 2.962, 240.700

Inverse Universe

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



38, 51.329, 343.181



46, 70.308, 345.461



57, 47.144, 95.847



30, 4.602, 337.566



30, 57.267, 349.143



1, 4.896, 337.424

Previews

White Background



This preview shows how the CIE LCh color 46, 27.502, 251.964 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, 27.502, 251.964 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, 27.502, 251.964

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.502, 251.964.



This preview shows how white text looks on a background with the CIELCh color 46, 27.502, 251.964.

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, 27.502, 251.964

Protanopia

46, 23.335, 284.891

Deuteranopia

46, 28.175, 283.969



Tritanopia
46, 24.353, 211.307

Trichromacy



Original Color
46, 27.502, 251.964

Protanomaly
46, 24.120, 269.657

Deuteranomaly
46, 27.030, 271.327

Tritanomaly
46, 24.100, 225.641

Monochromacy



Original Color
46, 27.502, 251.964

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 11.535, 241.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.502, 251.964 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(50, 115, 152)` looks like.

```
.text, #text, p{  
    color:rgb(50, 115, 152)  
}
```

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(50, 115, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 115, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.502, 251.964 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(50, 115, 152) }
```

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

```
.border{ border-color:rgb(50, 115, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 115, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 115, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 115, 152);  
box-shadow:4px 4px 4px 4px rgb(50, 115,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.502, 251.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 115, 152) }
```

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

```
.background{ background-color: rgb(50, 115,  
152) }
```

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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