

Converting Colors

CIELCh(46, 25.030, 248.390)

Have a look what the booklet for
CIELCh(46, 25.030, 248.390)
contains.

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Color

CIELCh(46, 24.891, 248.578)

Conversions

Conversions Part 1

Format	Color
Hex	387393
RGB	56, 115, 147
RGB Percent	22%, 45%, 58%
CMY	0.7794, 0.5482, 0.4227
CMYK	0.62, 0.22, 0.00, 0.42
HSL	201°, 45%, 40%
HSV	201°, 62%, 58%
XYZ	13.0812, 15.2687, 29.9489
YIQ	101.0070, -45.4360, -2.5560

Conversions

Conversions Part 2

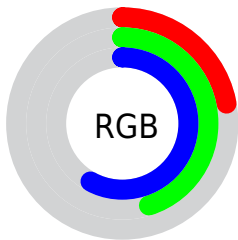
Format	Color
RYB	56, 92, 147
Decimal	3699603
CIELab	46.00, -9.09, -23.17
CIELCh	46, 24.891, 248.578
Yxy	15.2687, 0.2244, 0.2619
Android (android.graphics.Color)	4281889683 (0xFF387393)
YUV	101.0070, 22.6745, -39.4711
Hunter-Lab	39.0751, -8.6251, -18.0899

Details

The CIELCh color **46, 24.891, 248.578** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 35.571, 53.609**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.895, 248.107**, and **26, 23.360, 252.991** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.891, 251.877**, and if you desaturate by 10%, it is **48, 21.570, 245.849**.

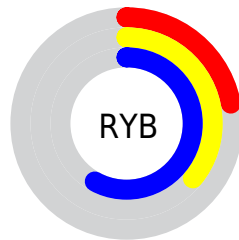
Distribution



Red (22%)

Green (45%)

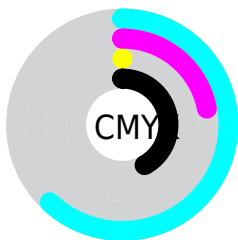
Blue (58%)



Red (22%)

Yellow (36%)

Blue (58%)

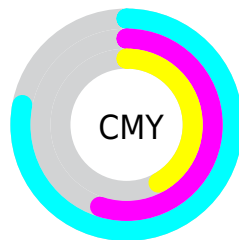


Cyan (62%)

Magenta (22%)

Yellow (0%)

Black (42%)



Cyan (78%)

Magenta (55%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 24.891, 248.578 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, 24.891, 248.578 by changing the saturation by 10% instead.


 46, 24.891,
248.578


 46, 24.891,
248.578


 100, 24.891,
248.578


 36, 24.891,
248.578

 66, 24.891,
248.578


 26, 24.891,
248.578

 76, 24.891,
248.578

 16, 24.891,
248.578

 86, 24.891,
248.578

 6, 24.891, 248.578

 96, 24.891,
248.578

 0, 24.891, 248.578

 46, 24.891,

 46, 24.891,

248.578

■ 44, 27.891,
251.877

■ 42, 30.608,
255.789

■ 40, 33.122,
260.298

■ 39, 35.184,
264.129

248.578

■ 48, 21.570,
245.849

■ 51, 17.932,
243.620

■ 53, 14.000,
241.811

■ 55, 9.812, 240.350

■ 58, 5.412, 239.187

■ 61, 0.840, 238.596

■ 63, 3.864, 57.253

■ 66, 8.667, 56.655

■ 69, 13.541, 56.133

Harmonies

Complementary

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



46, 24.891, 248.578



44, 35.571, 53.609

Rectangle

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



46, 24.891, 248.578



46, 24.891, 298.578



46, 24.891, 68.578



46, 24.891, 118.578

Sweetspot

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



46, 24.890, 248.578



71, 10.639, 240.044



55, 47.061, 150.049



37, 7.342, 240.377



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



46, 24.890, 248.578



56, 35.095, 253.258



33, 48.565, 293.804



30, 2.613, 238.935



36, 33.385, 263.789



1, 2.320, 238.005

Inverse Universe

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



38, 47.345, 341.879



46, 65.978, 343.727



56, 42.799, 96.438



29, 4.510, 337.065



30, 56.869, 348.221



1, 3.913, 336.457

Previews

White Background



This preview shows how the CIE LCh color 46, 24.891, 248.578 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, 24.891, 248.578 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, 24.891, 248.578

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.891, 248.578.



This preview shows how white text looks on a background with the CIELCh color 46, 24.891, 248.578.

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, 24.891, 248.578

Protanopia

46, 20.342, 284.989

Deuteranopia

46, 25.119, 285.072



Tritanopia
46, 22.502, 211.073

Trichromacy



Original Color
46, 24.891, 248.578

Protanomaly
46, 21.196, 267.787

Deuteranomaly
46, 23.926, 270.950

Tritanomaly
46, 22.368, 224.613

Monochromacy



Original Color
46, 24.891, 248.578

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 10.426, 242.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.891, 248.578 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(56, 115, 147)` looks like.

```
.text, #text, p{  
    color:rgb(56, 115, 147)  
}
```

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(56, 115, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 115, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.891, 248.578 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(56, 115, 147) }
```

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

```
.border{ border-color:rgb(56, 115, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 115, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 115, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 115, 147);  
box-shadow:4px 4px 4px 4px rgb(56, 115,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.891, 248.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 115, 147) }
```

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

```
.background{ background-color: rgb(56, 115,  
147) }
```

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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