

Converting Colors

CIELCh(46, 24.567, 175.366)

Have a look what the booklet for
CIELCh(46, 24.567, 175.366)
contains.

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Color

CIELCh(46, 24.567, 175.366)

Conversions

Conversions Part 1

Format	Color
Hex	387869
RGB	56, 120, 105
RGB Percent	22%, 47%, 41%
CMY	0.7807, 0.5297, 0.5886
CMYK	0.53, 0.00, 0.13, 0.53
HSL	166°, 36%, 34%
HSV	166°, 53%, 47%
XYZ	10.8776, 15.2687, 15.7160
YIQ	99.1540, -33.3290, -18.2330

Conversions

Conversions Part 2

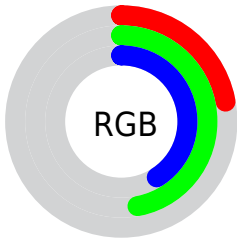
Format	Color
RYB	56, 92, 120
Decimal	3700841
CIELab	46.00, -24.49, 1.98
CIELCh	46, 24.567, 175.366
Yxy	15.2687, 0.2598, 0.3647
Android (android.graphics.Color)	4281890921 (0xFF387869)
YUV	99.1540, 2.8821, -37.8461
Hunter-Lab	39.0751, -18.6915, 3.5062

Details

The CIELCh color **46, 24.567, 175.366** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **32, 29.900, 7.811**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.844, 174.967**, and **26, 23.656, 174.598** is the 20% darker color. If you saturate the color by 10%, you get **46, 28.089, 174.095**, and if you desaturate by 10%, it is **47, 20.598, 176.525**.

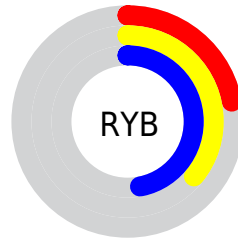
Distribution



Red (22%)

Green (47%)

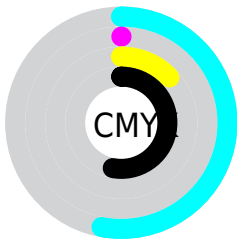
Blue (41%)



Red (22%)

Yellow (36%)

Blue (47%)

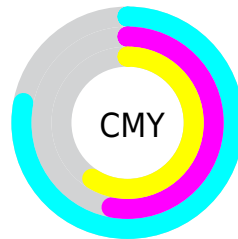


Cyan (53%)

Magenta (0%)

Yellow (13%)

Black (53%)



Cyan (78%)

Magenta (53%)

Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.567, 175.366 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, 24.567, 175.366 by changing the saturation by 10% instead.


 46, 24.567,
175.366


 46, 24.567,
175.366


 100, 24.567,
175.366


 36, 24.567,
175.366

 66, 24.567,
175.366

 26, 24.567,
175.366

 76, 24.567,
175.366

 16, 24.567,
175.366

 86, 24.567,
175.366

 6, 24.567, 175.366

 96, 24.567,
175.366

 0, 24.567, 175.366

 46, 24.567,

 46, 24.567,

175.366

175.366

■ 46, 28.089,
174.095

■ 47, 20.598,
176.525

■ 45, 31.107,
172.696

■ 47, 16.251,
177.596

■ 45, 33.594,
171.145

■ 48, 11.604,
178.597

■ 45, 35.568,
169.434

■ 49, 6.735, 179.550

■ 44, 36.777,
168.320

■ 50, 1.714, 180.580

■ 51, 3.396, 1.117

■ 52, 8.544, 1.981

■ 54, 13.686, 2.766

■ 55, 18.793, 3.516

Harmonies

Complementary

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



46, 24.567, 175.366



32, 29.900, 7.811

Rectangle

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



46, 24.567, 175.366



46, 24.567, 225.366



46, 24.567, 355.366



46, 24.567, 45.366

Sweetspot

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



46, 24.567, 175.365



62, 9.932, 179.265



46, 41.905, 134.527



32, 6.743, 179.111



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 24.567, 175.365



58, 34.778, 173.799



41, 18.076, 230.621



25, 2.898, 179.957



46, 37.926, 168.229



89, 64.847, 167.091

Inverse Universe

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



32, 29.900, 7.811



39, 44.198, 10.814



36, 26.092, 44.341



24, 2.989, 1.417



25, 52.814, 24.682



53, 91.070, 27.946

Previews

White Background



This preview shows how the CIELCh color 46, 24.567, 175.366 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 46, 24.567, 175.366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

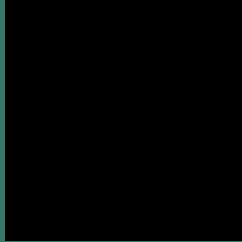
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.567, 175.366

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.567, 175.366.



This preview shows how white text looks on a background with the CIELCh color 46, 24.567, 175.366.

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, 24.567, 175.366

Protanopia

46, 6.286, 89.531

Deuteranopia

46, 6.092, 3.184



Tritanopia
46, 18.544, 214.514

Trichromacy



Original Color
46, 24.567, 175.366

Protanomaly
45, 10.499, 159.663

Deuteranomaly
45, 5.915, 181.134

Tritanomaly
46, 19.782, 197.271

Monochromacy



Original Color
46, 24.567, 175.366

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 10.255, 177.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.567, 175.366 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, 120, 105)` looks like.

```
.text, #text, p{  
    color:rgb(56, 120, 105)  
}
```

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, 120, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 120, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.567, 175.366 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, 120, 105) }
```

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

```
.border{ border-color:rgb(56, 120, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 120, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 120, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 120, 105);  
box-shadow:4px 4px 4px 4px rgb(56, 120,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.567, 175.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 120, 105) }
```

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

```
.background{ background-color: rgb(56, 120,  
105) }
```

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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