

Converting Colors

CIELCh(46, 24.207, 245.814)

Have a look what the booklet for
CIELCh(46, 24.207, 245.814)
contains.

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Color

CIELCh(46, 24.174, 246.196)

Conversions

Conversions Part 1

Format	Color
Hex	387391
RGB	56, 115, 145
RGB Percent	22%, 45%, 57%
CMY	0.7785, 0.5474, 0.4297
CMYK	0.61, 0.21, 0.00, 0.43
HSL	200°, 44%, 40%
HSV	200°, 61%, 57%
XYZ	12.9802, 15.2687, 29.2268
YIQ	100.7790, -44.7940, -3.1780

Conversions

Conversions Part 2

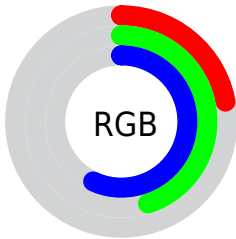
Format	Color
RYB	56, 91, 145
Decimal	3699601
CIELab	46.00, -9.76, -22.12
CIElCh	46, 24.174, 246.196
Yxy	15.2687, 0.2258, 0.2657
Android (android.graphics.Color)	4281889681 (0xFF387391)
YUV	100.7790, 21.8010, -39.2712
Hunter-Lab	39.0751, -9.0863, -16.9942

Details

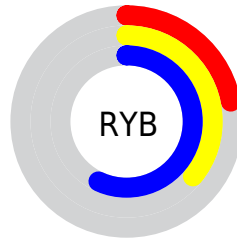
The CIELCh color **46, 24.174, 246.196** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **43, 34.922, 52.303**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.192, 246.002**, and **26, 22.559, 250.099** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.051, 249.376**, and if you desaturate by 10%, it is **48, 20.954, 243.581**.

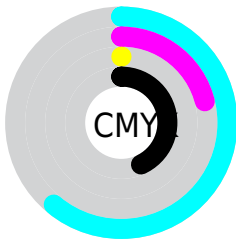
Distribution



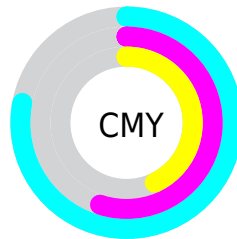
- Red (22%)
- Green (45%)
- Blue (57%)



- Red (22%)
- Yellow (36%)
- Blue (57%)



- Cyan (61%)
- Magenta (21%)
- Yellow (0%)
- Black (43%)



- Cyan (78%)
- Magenta (55%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 24.174, 246.196 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, 24.174, 246.196 by changing the saturation by 10% instead.

 46, 24.174,
246.196


 46, 24.174,
246.196

 100, 24.174,
246.196

 36, 24.174,
246.196

 66, 24.174,
246.196


 26, 24.174,
246.196

 76, 24.174,
246.196

 16, 24.174,
246.196

 86, 24.174,
246.196

 6, 24.174, 246.196

 96, 24.174,
246.196

 0, 24.174, 246.196

 46, 24.174,

 46, 24.174,

246.196

246.196

■ 44, 27.051,
249.376

■ 48, 20.954,
243.581

■ 42, 29.615,
253.176

■ 50, 17.399,
241.457

■ 40, 31.941,
257.593

■ 53, 13.537,
239.742

■ 39, 33.964,
261.696

■ 55, 9.411, 238.366

■ 58, 5.064, 237.281

■ 60, 0.540, 237.009

■ 63, 4.121, 55.472

■ 65, 8.885, 54.923

■ 68, 13.722, 54.449

Harmonies

Complementary

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



46, 24.174, 246.196



43, 34.922, 52.303

Rectangle

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



46, 24.174, 246.196



46, 24.174, 296.196



46, 24.174, 66.196



46, 24.174, 116.196

Sweetspot

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



46, 24.173, 246.196



71, 9.956, 238.035



54, 46.820, 149.493



36, 6.858, 238.346



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



46, 24.173, 246.196



56, 33.854, 250.574



33, 46.534, 292.843



30, 2.607, 237.105



37, 32.546, 261.416



2, 2.317, 236.221

Inverse Universe

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



38, 46.917, 341.035



46, 65.328, 342.722



55, 41.446, 95.460



29, 4.556, 336.437



30, 57.332, 347.118



1, 3.954, 335.838

Previews

White Background



This preview shows how the CIELCh color 46, 24.174, 246.196 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, 24.174, 246.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

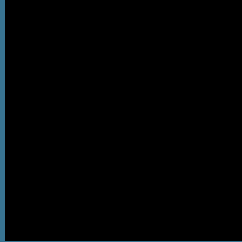
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 24.174, 246.196

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.174, 246.196.

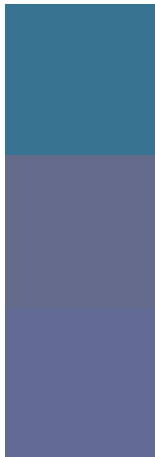


This preview shows how white text looks on a background with the CIELCh color 46, 24.174, 246.196.

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, 24.174, 246.196

Protanopia

46, 19.135, 285.306

Deuteranopia

46, 23.917, 285.209



Tritanopia
46, 22.111, 213.011

Trichromacy



Original Color
46, 24.174, 246.196

Protanomaly
46, 20.047, 266.801

Deuteranomaly
46, 22.870, 269.485

Tritanomaly
46, 21.987, 225.194

Monochromacy



Original Color
46, 24.174, 246.196

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 10.066, 239.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.174, 246.196 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(56, 115, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 115, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.174, 246.196 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, 145) }
```

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

```
.border{ border-color:rgb(56, 115, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 115, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 115, 145);  
box-shadow:4px 4px 4px 4px rgb(56, 115,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.174, 246.196 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, 145) }
```

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

```
.background{ background-color: rgb(56, 115,  
145) }
```

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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