

Converting Colors

CIELCh(46, 24.427, 257.702)

Have a look what the booklet for
CIELCh(46, 24.427, 257.702)
contains.

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Color

CIELCh(46, 24.427, 257.702)

Conversions

Conversions Part 1

Format	Color
Hex	437194
RGB	67, 113, 148
RGB Percent	26%, 44%, 58%
CMY	0.7354, 0.5552, 0.4178
CMYK	0.55, 0.24, 0.00, 0.42
HSL	206°, 38%, 42%
HSV	206°, 55%, 58%
XYZ	13.6812, 15.2687, 30.4316
YIQ	103.2360, -38.6510, 1.1330

Conversions

Conversions Part 2

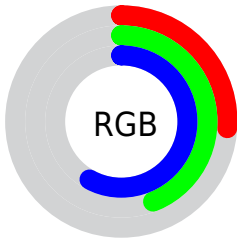
Format	Color
R _Y B	67, 96, 148
Decimal	4419988
CIE Lab	46.00, -5.20, -23.87
CIE LCh	46, 24.427, 257.702
Yxy	15.2687, 0.2304, 0.2571
Android (android.graphics.Color)	4282610068 (0xFF437194)
YUV	103.2360, 22.0687, -31.7790
Hunter-Lab	39.0751, -5.8842, -18.8223

Details

The CIELCh color **46, 24.427, 257.702** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **47, 30.651, 62.022**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.195, 257.279**, and **26, 24.468, 258.183** is the 20% darker color. If you saturate the color by 10%, you get **43, 28.345, 260.823**, and if you desaturate by 10%, it is **49, 20.316, 255.078**.

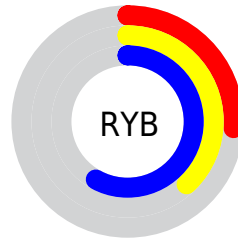
Distribution



Red (26%)

Green (44%)

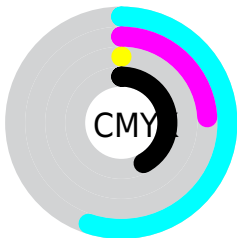
Blue (58%)



Red (26%)

Yellow (38%)

Blue (58%)

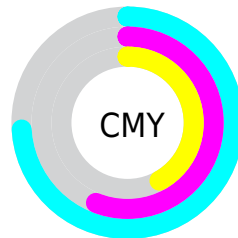


Cyan (55%)

Magenta (24%)

Yellow (0%)

Black (42%)



Cyan (74%)


Magenta (56%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.427, 257.702 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, 24.427, 257.702 by changing the saturation by 10% instead.


 46, 24.427,
257.702


 46, 24.427,
257.702


 100, 24.427,
257.702


 36, 24.427,
257.702

 66, 24.427,
257.702


 26, 24.427,
257.702

 76, 24.427,
257.702

 16, 24.427,
257.702

 86, 24.427,
257.702

 6, 24.427, 257.702

 96, 24.427,
257.702

 0, 24.427, 257.702

 46, 24.427,

 46, 24.427,

257.702

■ 43, 28.345,
260.823

■ 41, 32.099,
264.479

■ 38, 35.745,
268.656

■ 36, 39.375,
273.255

■ 35, 41.424,
275.676

257.702

■ 49, 20.316,
255.078

■ 51, 16.015,
252.893

■ 54, 11.543,
251.081

■ 57, 6.925, 249.586

■ 60, 2.191, 248.426

■ 63, 2.631, 67.083

■ 66, 7.516, 66.271

■ 69, 12.441, 65.526

■ 72, 17.387, 64.881

Harmonies

Complementary

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



46, 24.427, 257.702



47, 30.651, 62.022

Rectangle

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



46, 24.427, 257.702



46, 24.427, 307.702



46, 24.427, 77.702



46, 24.427, 127.702

Sweetspot

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



46, 24.426, 257.702



73, 9.443, 249.830



56, 40.141, 153.923



37, 6.343, 250.092



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, 24.426, 257.702



56, 35.345, 261.437



35, 46.204, 295.009



30, 2.696, 248.909



32, 38.988, 275.313



1, 2.380, 247.780

Inverse Universe

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



41, 40.942, 345.445



49, 58.522, 347.189



58, 40.673, 101.053



29, 4.260, 340.838



29, 54.761, 354.842



1, 3.691, 340.180

Previews

White Background



This preview shows how the CIELCh color 46, 24.427, 257.702 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, 24.427, 257.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

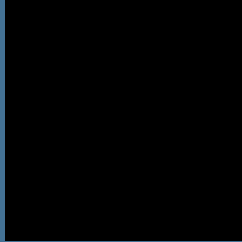
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

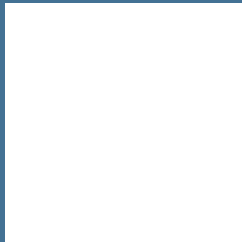
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 24.427, 257.702

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.427, 257.702.

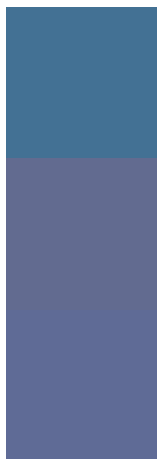


This preview shows how white text looks on a background with the CIELCh color 46, 24.427, 257.702.

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, 24.427, 257.702

Protanopia

46, 22.131, 285.076

Deuteranopia

46, 25.738, 284.666



Tritanopia
46, 19.561, 215.383

Trichromacy



Original Color
46, 24.427, 257.702

Protanomaly
46, 22.877, 274.531

Deuteranomaly
46, 24.689, 274.947

Tritanomaly
46, 20.073, 232.446

Monochromacy



Original Color
46, 24.427, 257.702

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 9.666, 252.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.427, 257.702 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(67, 113, 148)` looks like.

```
.text, #text, p{  
    color:rgb(67, 113, 148)  
}
```

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(67, 113, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 113, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.427, 257.702 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(67, 113, 148) }
```

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

```
.border{ border-color:rgb(67, 113, 148) }
```

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

Here you see how a box with a 4 pixel rgb(67, 113, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 113, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 113, 148);  
box-shadow:4px 4px 4px 4px rgb(67, 113,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.427, 257.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 113, 148) }
```

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

```
.background{ background-color: rgb(67, 113,  
148) }
```

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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