

Converting Colors

CIELCh(46, 23.273, 246.810)

Have a look what the booklet for
CIELCh(46, 23.273, 246.810)
contains.

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Color

CIELCh(46, 23.243, 246.556)

Conversions

Conversions Part 1

Format	Color
Hex	3C7390
RGB	60, 115, 144
RGB Percent	24%, 45%, 56%
CMY	0.7642, 0.5486, 0.4348
CMYK	0.58, 0.20, 0.00, 0.43
HSL	201°, 41%, 40%
HSV	201°, 58%, 57%
XYZ	13.0574, 15.2687, 28.6910
YIQ	101.8610, -42.0890, -2.6410

Conversions

Conversions Part 2

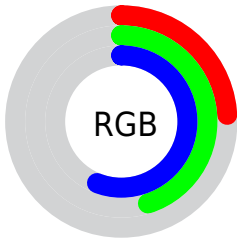
Format	Color
RYB	60, 93, 144
Decimal	3961744
CIELab	46.00, -9.25, -21.32
CIELCh	46, 23.243, 246.556
Yxy	15.2687, 0.2290, 0.2678
Android (android.graphics.Color)	4282151824 (0xFF3C7390)
YUV	101.8610, 20.7745, -36.7121
Hunter-Lab	39.0751, -8.7336, -16.1812

Details

The CIELCh color **46, 23.243, 246.556** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **43, 32.640, 53.176**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 23.310, 246.354**, and **26, 22.179, 248.579** is the 20% darker color. If you saturate the color by 10%, you get **44, 26.254, 249.602**, and if you desaturate by 10%, it is **48, 19.903, 244.054**.

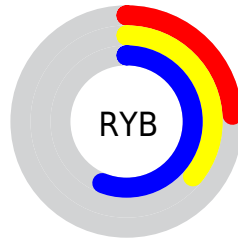
Distribution



Red (24%)

Green (45%)

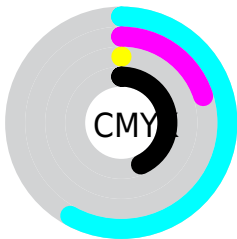
Blue (56%)



Red (24%)

Yellow (36%)

Blue (56%)

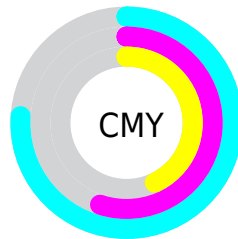


Cyan (58%)

Magenta (20%)

Yellow (0%)

Black (43%)



Cyan (76%)


Magenta (55%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 23.243, 246.556 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, 23.243, 246.556 by changing the saturation by 10% instead.


 46, 23.243,
246.556


 46, 23.243,
246.556


 100, 23.243,
246.556


 36, 23.243,
246.556

 66, 23.243,
246.556


 26, 23.243,
246.556

 76, 23.243,
246.556

 16, 23.243,
246.556

 86, 23.243,
246.556

 6, 23.243, 246.556

 96, 23.243,
246.556

 0, 23.243, 246.556

 46, 23.243,

 46, 23.243,

246.556

■ 44, 26.254,
249.602

■ 42, 28.958,
253.252

■ 40, 31.415,
257.520

■ 38, 33.773,
262.192

■ 38, 34.197,
262.961

246.556

■ 48, 19.903,
244.054

■ 50, 16.248,
242.019

■ 53, 12.310,
240.374

■ 55, 8.130, 239.053

■ 58, 3.750, 238.024

■ 60, 0.787, 56.565

■ 63, 5.447, 56.257

■ 65, 10.196, 55.701

■ 68, 15.008, 55.227

Harmonies

Complementary

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



46, 23.243, 246.556



43, 32.640, 53.176

Rectangle

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



46, 23.243, 246.556



46, 23.243, 296.556



46, 23.243, 66.556



46, 23.243, 116.556

Sweetspot

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



46, 23.242, 246.555



70, 9.335, 238.945



54, 44.542, 149.918



37, 6.271, 239.152



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, 23.242, 246.555



56, 32.770, 250.686



34, 43.781, 292.113



29, 2.535, 238.102



36, 32.519, 262.627



1, 1.739, 237.198

Inverse Universe

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



39, 44.557, 341.113



46, 62.680, 342.739



54, 39.368, 95.797



28, 4.400, 336.775



29, 56.326, 347.672



1, 2.949, 336.175

Previews

White Background



This preview shows how the CIELCh color 46, 23.243, 246.556 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, 23.243, 246.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

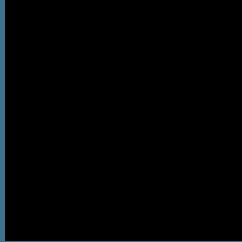
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.243, 246.556

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.243, 246.556.

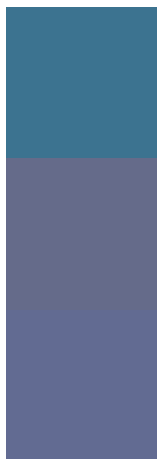


This preview shows how white text looks on a background with the CIELCh color 46, 23.243, 246.556.

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, 23.243, 246.556

Protanopia

46, 18.514, 286.036

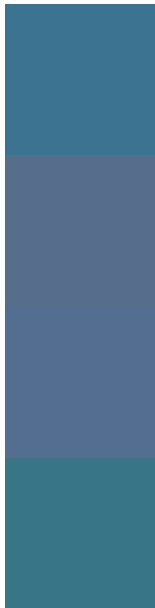
Deuteranopia

46, 23.298, 285.700



Tritanopia
46, 21.111, 213.870

Trichromacy



Original Color
46, 23.243, 246.556

Protanomaly
46, 19.292, 267.554

Deuteranomaly
46, 22.138, 270.142

Tritanomaly
46, 21.052, 226.615

Monochromacy



Original Color
46, 23.243, 246.556

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 9.447, 238.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.243, 246.556 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(60, 115, 144)` looks like.

```
.text, #text, p{  
    color:rgb(60, 115, 144)  
}
```

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(60, 115, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 115, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.243, 246.556 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(60, 115, 144) }
```

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

```
.border{ border-color:rgb(60, 115, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 115, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 115, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 115, 144);  
box-shadow:4px 4px 4px 4px rgb(60, 115,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.243, 246.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 115, 144) }
```

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

```
.background{ background-color: rgb(60, 115,  
144) }
```

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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