

Converting Colors

CIELCh(46, 24.017, 292.642)

Have a look what the booklet for
CIELCh(46, 24.017, 292.642)
contains.

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Color

CIELCh(46, 23.783, 292.529)

Conversions

Conversions Part 1

Format	Color
Hex	696A92
RGB	105, 106, 146
RGB Percent	41%, 42%, 57%
CMY	0.5898, 0.5858, 0.4291
CMYK	0.28, 0.27, 0.00, 0.43
HSL	239°, 16%, 49%
HSV	239°, 28%, 57%
XYZ	16.0482, 15.2687, 29.1253
YIQ	110.2610, -13.4360, 12.2280

Conversions

Conversions Part 2

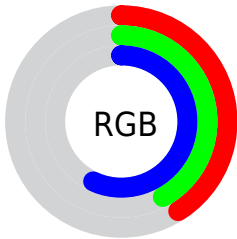
Format	Color
R_{YB}	105, 106, 146
Decimal	6908562
CIE Lab	46.00, 9.11, -21.97
CIE LCh	46, 23.783, 292.529
Yxy	15.2687, 0.2655, 0.2526
Android (android.graphics.Color)	4285098642 (0xFF696A92)
YUV	110.2610, 17.6193, -4.6139
Hunter-Lab	39.0751, 4.9284, -16.8402

Details

The CIELCh color $46, 23.783, 292.529$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 22.345, 106.478$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 23.861, 292.625$, and $26, 23.555, 292.192$ is the 20% darker color. If you saturate the color by 10%, you get $41, 32.896, 294.118$, and if you desaturate by 10%, it is $51, 15.033, 291.168$.

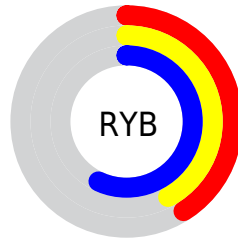
Distribution



Red (41%)

Green (42%)

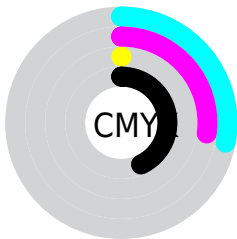
Blue (57%)



Red (41%)

Yellow (42%)

Blue (57%)

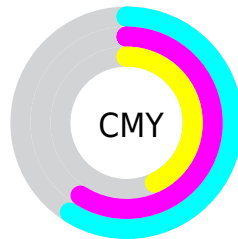


Cyan (28%)

Magenta (27%)

Yellow (0%)

Black (43%)



Cyan (59%)


Magenta (59%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 23.783, 292.529 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, 23.783, 292.529 by changing the saturation by 10% instead.


 46, 23.783,
292.529


 46, 23.783,
292.529


 100, 23.783,
292.529


 36, 23.783,
292.529

 66, 23.783,
292.529


 26, 23.783,
292.529

 76, 23.783,
292.529

 16, 23.783,
292.529

 86, 23.783,
292.529

 6, 23.783, 292.529

 96, 23.783,
292.529

 0, 23.783, 292.529

 46, 23.783,

 46, 23.783,

292.529

41, 32.896,
294.118

36, 42.380,
295.951

31, 52.185,
298.013

26, 62.125,
300.231

22, 71.714,
302.438

19, 80.000,
304.358

17, 85.880,
305.683

16, 86.870,
305.892

292.529

51, 15.033,
291.168

56, 6.625, 290.011

61, 1.466, 108.971

66, 9.265, 108.159

71, 16.791,
107.436

76, 24.065,
106.812

81, 31.101,
106.272

86, 37.916,
105.803

91, 44.523,

Harmonies

Complementary

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



46, 23.783, 292.529



59, 22.345, 106.478

Rectangle

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



46, 23.783, 292.529



46, 23.783, 342.529



46, 23.783, 112.529



46, 23.783, 162.529

Sweetspot

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



46, 23.782, 292.528



71, 8.035, 290.012



57, 14.791, 194.988



36, 5.706, 290.160



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, 23.782, 292.528



55, 35.968, 293.542



47, 25.352, 309.274



29, 4.660, 290.125



15, 83.340, 305.865



0, 4.012, 289.183

Inverse Universe

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



48, 17.610, 19.709



59, 26.872, 20.536



58, 24.336, 126.600



29, 3.342, 17.896



28, 64.321, 37.952



1, 2.831, 17.355

Previews

White Background



This preview shows how the CIELCh color 46, 23.783, 292.529 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, 23.783, 292.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

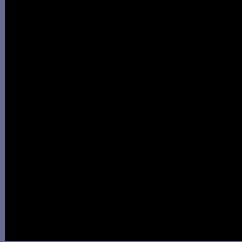
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.783, 292.529

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.783, 292.529.



This preview shows how white text looks on a background with the CIELCh color 46, 23.783, 292.529.

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

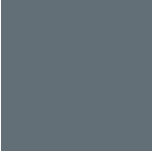
46, 23.783, 292.529

Protanopia

46, 23.882, 285.994

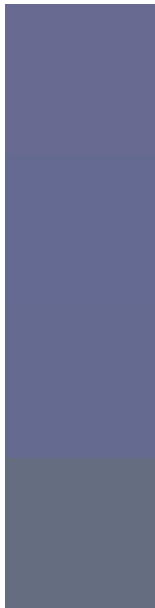
Deuteranopia

46, 22.681, 286.236



Tritanopia
46, 6.539, 245.845

Trichromacy



Original Color
46, 23.783, 292.529

Protanomaly
46, 23.837, 288.424

Deuteranomaly
46, 23.229, 289.036

Tritanomaly
46, 12.172, 277.661

Monochromacy



Original Color
46, 23.783, 292.529

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.921, 291.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.783, 292.529 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(105, 106, 146)` looks like.

```
.text, #text, p{  
    color:rgb(105, 106, 146)  
}
```

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(105, 106, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 106, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.783, 292.529 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(105, 106, 146) }
```

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

```
.border{ border-color:rgb(105, 106, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 106, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 106, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 106, 146);  
box-shadow:4px 4px 4px 4px rgb(105, 106,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.783, 292.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 106, 146) }
```

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

```
.background{ background-color: rgb(105,  
106, 146) }
```

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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