

Converting Colors

CIELCh(46, 22.558, 268.371)

Have a look what the booklet for
CIELCh(46, 22.558, 268.371)
contains.

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Color

CIELCh(46, 22.427, 267.938)

Conversions

Conversions Part 1

Format	Color
Hex	526F92
RGB	82, 111, 146
RGB Percent	32%, 44%, 57%
CMY	0.6780, 0.5643, 0.4270
CMYK	0.44, 0.24, 0.00, 0.43
HSL	213°, 28%, 45%
HSV	213°, 44%, 57%
XYZ	14.3813, 15.2687, 29.4277
YIQ	106.3190, -28.5190, 4.7370

Conversions

Conversions Part 2

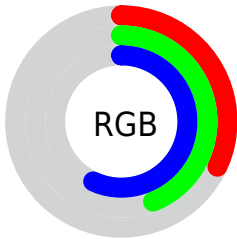
Format	Color
R _Y B	82, 102, 146
Decimal	5402514
CIE Lab	46.00, -0.81, -22.41
CIE LCh	46, 22.427, 267.938
Yxy	15.2687, 0.2434, 0.2585
Android (android.graphics.Color)	4283592594 (0xFF526F92)
YUV	106.3190, 19.5627, -21.3278
Hunter-Lab	39.0751, -2.6858, -17.2991

Details

The CIELCh color **46, 22.427, 267.938** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **51, 24.443, 74.755**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 22.222, 267.065**, and **26, 22.001, 267.094** is the 20% darker color. If you saturate the color by 10%, you get **43, 27.474, 270.556**, and if you desaturate by 10%, it is **49, 17.349, 265.705**.

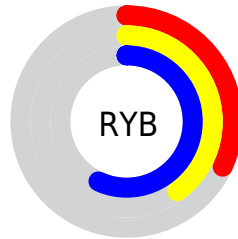
Distribution



Red (32%)

Green (44%)

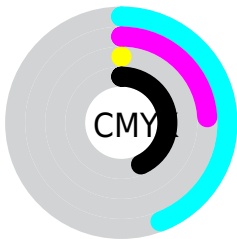
Blue (57%)



Red (32%)

Yellow (40%)

Blue (57%)

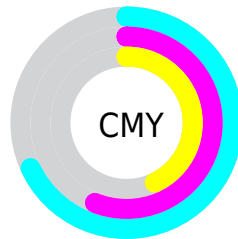


Cyan (44%)

Magenta (24%)

Yellow (0%)

Black (43%)



Cyan (68%)

Magenta (56%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 22.427, 267.938 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, 22.427, 267.938 by changing the saturation by 10% instead.

■ 46, 22.427,
267.938

■ 46, 22.427,
267.938

■ 100, 22.427,
267.938

■ 36, 22.427,
267.938

■ 66, 22.427,
267.938

■ 26, 22.427,
267.938

■ 76, 22.427,
267.938

■ 16, 22.427,
267.938

■ 86, 22.427,
267.938

■ 6, 22.427, 267.938

■ 96, 22.427,
267.938

■ 0, 22.427, 267.938

■ 46, 22.427,

■ 46, 22.427,

267.938

267.938

■ 43, 27.474,
270.556

■ 49, 17.349,
265.705

■ 40, 32.509,
273.598

■ 53, 12.240,
263.811

■ 37, 37.564,
277.071

■ 56, 7.108, 262.210

■ 34, 42.690,
280.931

■ 59, 1.964, 260.927

■ 63, 3.181, 79.529

■ 31, 47.939,
285.056

■ 66, 8.312, 78.559

■ 29, 51.293,
287.484

■ 69, 13.420, 77.685

■ 73, 18.495, 76.915

■ 76, 23.530, 76.235

Harmonies

Complementary

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



46, 22.427, 267.938



51, 24.443, 74.755

Rectangle

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



46, 22.427, 267.938



46, 22.427, 317.938



46, 22.427, 87.938



46, 22.427, 137.938

Sweetspot

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



46, 22.426, 267.937



71, 8.248, 262.131



56, 29.369, 161.136



36, 5.752, 262.427



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, 22.426, 267.937



55, 33.341, 270.632



38, 39.376, 296.968



30, 2.940, 261.568



28, 48.854, 287.235



1, 2.574, 260.332

Inverse Universe

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



43, 30.955, 350.855



51, 45.665, 352.439



59, 35.206, 107.632



29, 3.944, 346.987



29, 53.409, 5.266



1, 3.408, 346.256

Previews

White Background



This preview shows how the CIE LCh color 46, 22.427, 267.938 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, 22.427, 267.938 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

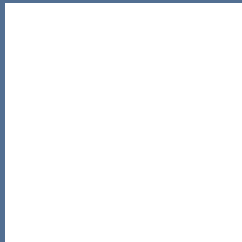
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 22.427, 267.938

Background



This preview shows how black text looks on a background with the CIELCh color 46, 22.427, 267.938.

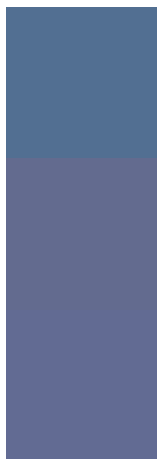


This preview shows how white text looks on a background with the CIELCh color 46, 22.427, 267.938.

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, 22.427, 267.938

Protanopia

46, 21.511, 285.639

Deuteranopia

46, 23.882, 285.994



Tritanopia
46, 14.569, 219.744

Trichromacy



Original Color
46, 22.427, 267.938

Protanomaly
46, 21.827, 279.525

Deuteranomaly
46, 23.598, 280.159

Tritanomaly
46, 15.974, 240.756

Monochromacy



Original Color
46, 22.427, 267.938

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 8.700, 262.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 22.427, 267.938 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(82, 111, 146)` looks like.

```
.text, #text, p{  
    color:rgb(82, 111, 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(82, 111, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 111, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 22.427, 267.938 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(82, 111, 146) }
```

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

```
.border{ border-color:rgb(82, 111, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 111, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 111, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 111, 146);  
box-shadow:4px 4px 4px 4px rgb(82, 111,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 22.427, 267.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 111, 146) }
```

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

```
.background{ background-color: rgb(82, 111,  
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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