

Converting Colors

CIELCh(46, 22.329, 257.122)

Have a look what the booklet for
CIELCh(46, 22.329, 257.122)
contains.

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Color

CIELCh(46, 22.430, 257.266)

Conversions

Conversions Part 1

Format	Color
Hex	487191
RGB	72, 113, 145
RGB Percent	28%, 44%, 57%
CMY	0.7171, 0.5564, 0.4309
CMYK	0.50, 0.22, 0.00, 0.43
HSL	206°, 34%, 43%
HSV	206°, 50%, 57%
XYZ	13.7218, 15.2687, 29.0645
YIQ	104.3890, -34.7080, 1.2600

Conversions

Conversions Part 2

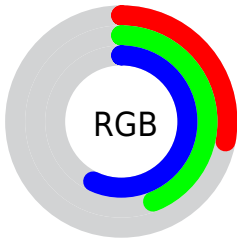
Format	Color
R_{YB}	72, 98, 145
Decimal	4747665
CIE _{Lab}	46.00, -4.94, -21.88
CIE _{LCh}	46, 22.430, 257.266
Yxy	15.2687, 0.2364, 0.2630
Android (android.graphics.Color)	4282937745 (0xFF487191)
YUV	104.3890, 20.0212, -28.4052
Hunter-Lab	39.0751, -5.6989, -16.7480

Details

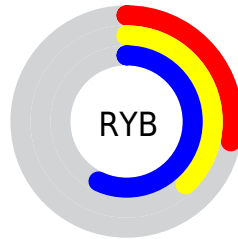
The CIELCh color **46, 22.430, 257.266** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 27.425, 63.073**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 22.311, 256.929**, and **26, 22.334, 257.451** is the 20% darker color. If you saturate the color by 10%, you get **43, 26.408, 260.166**, and if you desaturate by 10%, it is **49, 18.270, 254.834**.

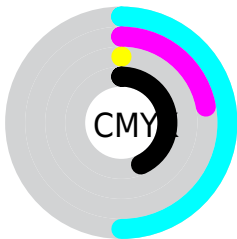
Distribution



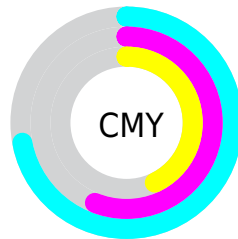
- Red (28%)
- Green (44%)
- Blue (57%)



- Red (28%)
- Yellow (38%)
- Blue (57%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (43%)



- Cyan (72%)
- Magenta (56%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 22.430, 257.266 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, 22.430, 257.266 by changing the saturation by 10% instead.


 46, 22.430,
257.266

 46, 22.430,
257.266

 100, 22.430,
257.266

 36, 22.430,
257.266

 66, 22.430,
257.266

 26, 22.430,
257.266

 76, 22.430,
257.266

 16, 22.430,
257.266

 86, 22.430,
257.266

 6, 22.430, 257.266

 96, 22.430,
257.266

 0, 22.430, 257.266

 46, 22.430,

 46, 22.430,

257.266

■ 43, 26.408,
260.166

■ 41, 30.219,
263.583

■ 38, 33.907,
267.526

■ 36, 37.546,
271.940

■ 34, 41.166,
276.310

257.266

■ 49, 18.270,
254.834

■ 52, 13.939,
252.809

■ 54, 9.457, 251.130

■ 57, 4.851, 249.752

■ 60, 0.147, 250.734

■ 63, 4.628, 67.434

■ 66, 9.451, 66.624

■ 69, 14.303, 65.913

■ 72, 19.167, 65.296

Harmonies

Complementary

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



46, 22.430, 257.266



48, 27.425, 63.073

Rectangle

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



46, 22.430, 257.266



46, 22.430, 307.266



46, 22.430, 77.266



46, 22.430, 127.266

Sweetspot

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



46, 22.429, 257.265



71, 8.706, 250.406



55, 36.099, 155.276



36, 5.908, 250.669



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, 22.429, 257.265



56, 32.494, 260.467



35, 42.281, 294.755



29, 2.627, 249.616



32, 38.866, 275.961



1, 1.790, 248.482

Inverse Universe

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



41, 37.234, 345.222



49, 53.655, 346.733



57, 37.583, 102.349



28, 4.120, 341.132



29, 53.919, 355.295



1, 2.757, 340.474

Previews

White Background



This preview shows how the CIE LCh color 46, 22.430, 257.266 looks on a white background.

Color Contrast Check

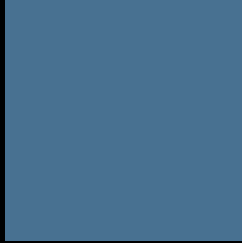
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.430, 257.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

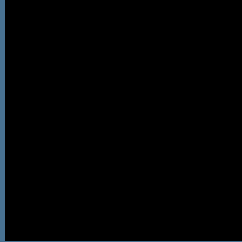
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

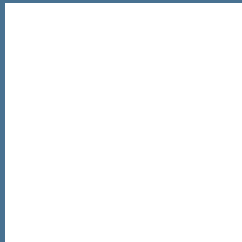
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 22.430, 257.266

Background



This preview shows how black text looks on a background with the CIELCh color 46, 22.430, 257.266.

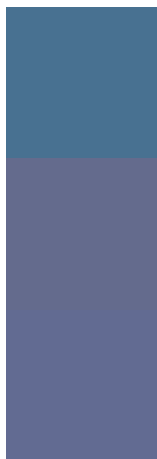


This preview shows how white text looks on a background with the CIELCh color 46, 22.430, 257.266.

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, 22.430, 257.266

Protanopia

46, 20.306, 285.951

Deuteranopia

46, 23.298, 285.700



Tritanopia
46, 17.794, 215.318

Trichromacy



Original Color
46, 22.430, 257.266

Protanomaly
46, 20.969, 274.984

Deuteranomaly
46, 22.715, 276.031

Tritanomaly
46, 18.345, 231.679

Monochromacy



Original Color
46, 22.430, 257.266

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 8.990, 252.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 22.430, 257.266 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(72, 113, 145)` looks like.

```
.text, #text, p{  
    color:rgb(72, 113, 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(72, 113, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 113, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 22.430, 257.266 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(72, 113, 145) }
```

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

```
.border{ border-color:rgb(72, 113, 145) }
```

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

Here you see how a box with a 4 pixel rgb(72, 113, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 113, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 113, 145);  
box-shadow:4px 4px 4px 4px rgb(72, 113,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 22.430, 257.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 113, 145) }
```

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

```
.background{ background-color: rgb(72, 113,  
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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