

Converting Colors

CIELCh(46, 21.608, 279.595)

Have a look what the booklet for
CIELCh(46, 21.608, 279.595)
contains.

CIELCh(46, 21.226, 278.973)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 21.226, 278.973)

Conversions

Conversions Part 1

Format	Color
Hex	5E6D90
RGB	94, 109, 144
RGB Percent	37%, 43%, 56%
CMY	0.6322, 0.5734, 0.4362
CMYK	0.35, 0.24, 0.00, 0.44
HSL	222°, 21%, 47%
HSV	222°, 35%, 56%
XYZ	15.0585, 15.2687, 28.4513
YIQ	108.5050, -20.1750, 7.7050

Conversions

Conversions Part 2

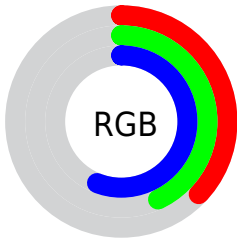
Format	Color
R_{YB}	94, 106, 144
Decimal	6188432
CIE _{Lab}	46.00, 3.31, -20.97
CIE _{LCh}	46, 21.226, 278.973
Yxy	15.2687, 0.2562, 0.2598
Android (android.graphics.Color)	4284378512 (0xFF5E6D90)
YUV	108.5050, 17.4990, -12.7209
Hunter-Lab	39.0751, 0.4074, -15.8175

Details

The CIELCh color `46, 21.226, 278.973` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `54, 21.085, 89.397`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 21.435, 279.682`, and `26, 20.787, 278.121` is the 20% darker color. If you saturate the color by 10%, you get `42, 27.617, 281.075`, and if you desaturate by 10%, it is `50, 14.972, 277.165`.

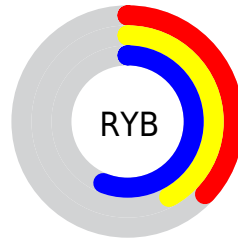
Distribution



Red (37%)

Green (43%)

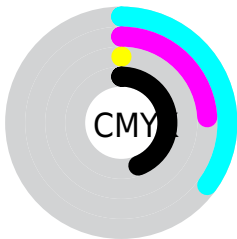
Blue (56%)



Red (37%)

Yellow (42%)

Blue (56%)

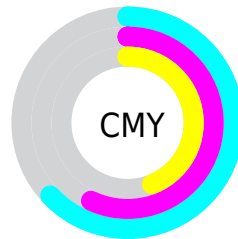


Cyan (35%)

Magenta (24%)

Yellow (0%)

Black (44%)



Cyan (63%)


Magenta (57%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.226, 278.973 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, 21.226, 278.973 by changing the saturation by 10% instead.


 46, 21.226,
278.973


 46, 21.226,
278.973


 100, 21.226,
278.973


 36, 21.226,
278.973

 66, 21.226,
278.973


 26, 21.226,
278.973

 76, 21.226,
278.973

 16, 21.226,
278.973

 86, 21.226,
278.973

 6, 21.226, 278.973

 96, 21.226,
278.973

 0, 21.226, 278.973

 46, 21.226,

 46, 21.226,

278.973

278.973

■ 42, 27.617,
281.075

■ 50, 14.972,
277.165

■ 38, 34.166,
283.505

■ 54, 8.843, 275.618

■ 34, 40.897,
286.277

■ 58, 2.833, 274.320

■ 62, 3.065, 93.046

■ 31, 47.824,
289.364

■ 66, 8.851, 92.077

■ 27, 54.924,
292.680

■ 70, 14.527, 91.205

■ 73, 20.095, 90.434

■ 24, 62.081,
296.053

■ 77, 25.556, 89.750

■ 23, 65.795,
297.647

■ 81, 30.911, 89.140

Harmonies

Complementary

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



46, 21.226, 278.973



54, 21.085, 89.397

Rectangle

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



46, 21.226, 278.973



46, 21.226, 328.973



46, 21.226, 98.973



46, 21.226, 148.973

Sweetspot

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



46, 21.225, 278.972



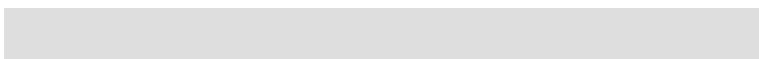
71, 7.363, 274.992



56, 20.727, 171.420



37, 5.069, 275.160



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, 21.225, 278.972



55, 31.921, 280.651



43, 30.422, 300.333



28, 3.346, 274.857



21, 62.528, 297.444



1, 2.243, 273.692

Inverse Universe

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



46, 22.642, 359.814



55, 33.997, 1.086



58, 28.136, 114.973



28, 3.505, 356.731



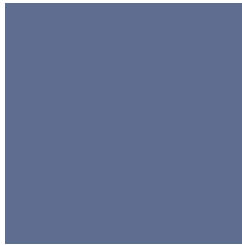
28, 54.267, 19.487



0, 2.326, 355.948

Previews

White Background



This preview shows how the CIELCh color 46, 21.226, 278.973 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, 21.226, 278.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

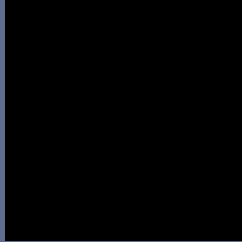
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

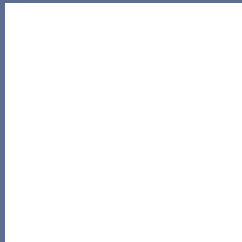
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 21.226, 278.973

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.226, 278.973.



This preview shows how white text looks on a background with the CIELCh color 46, 21.226, 278.973.

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, 21.226, 278.973

Protanopia

46, 21.511, 285.639

Deuteranopia

46, 22.065, 286.818



Tritanopia
46, 10.224, 230.286

Trichromacy



Original Color
46, 21.226, 278.973

Protanomaly
46, 21.023, 282.542

Deuteranomaly
46, 21.556, 283.823

Tritanomaly
46, 13.170, 258.468

Monochromacy



Original Color
46, 21.226, 278.973

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.933, 277.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.226, 278.973 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(94, 109, 144)` looks like.

```
.text, #text, p{  
    color:rgb(94, 109, 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(94, 109, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 109, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.226, 278.973 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(94, 109, 144) }
```

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

```
.border{ border-color:rgb(94, 109, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 109, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 109, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 109, 144);  
box-shadow:4px 4px 4px 4px rgb(94, 109,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.226, 278.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 109, 144) }
```

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

```
.background{ background-color: rgb(94, 109,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor