

Converting Colors

CIELCh(46, 18.261, 242.049)

Have a look what the booklet for
CIELCh(46, 18.261, 242.049)
contains.

CIELCh(46, 18.230, 241.907)	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, 18.230, 241.907)

Conversions

Conversions Part 1

Format	Color
Hex	487287
RGB	72, 114, 135
RGB Percent	28%, 45%, 53%
CMY	0.7162, 0.5515, 0.4691
CMYK	0.47, 0.16, 0.00, 0.47
HSL	200°, 30%, 41%
HSV	200°, 47%, 53%
XYZ	13.1583, 15.2687, 25.3140
YIQ	103.8360, -31.7730, -2.3730

Conversions

Conversions Part 2

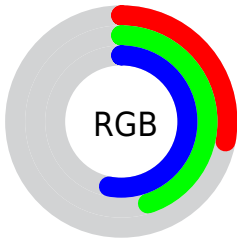
Format	Color
R_{YB}	72, 97, 135
Decimal	4747911
CIE _{Lab}	46.00, -8.58, -16.08
CIE _{LCh}	46, 18.230, 241.907
Yxy	15.2687, 0.2448, 0.2841
Android (android.graphics.Color)	4282937991 (0xFF487287)
YUV	103.8360, 15.3639, -27.9202
Hunter-Lab	39.0751, -8.2727, -11.0571

Details

The CIELCh color **46, 18.230, 241.907** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **44, 23.823, 52.596**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 18.107, 241.182**, and **26, 18.185, 241.531** is the 20% darker color. If you saturate the color by 10%, you get **44, 21.405, 244.230**, and if you desaturate by 10%, it is **48, 14.745, 240.024**.

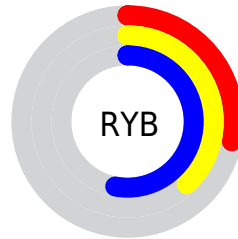
Distribution



Red (28%)

Green (45%)

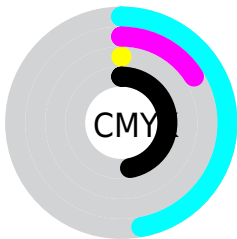
Blue (53%)



Red (28%)

Yellow (38%)

Blue (53%)

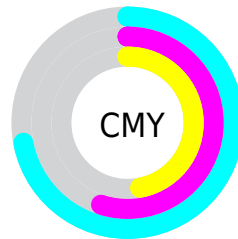


Cyan (47%)

Magenta (16%)

Yellow (0%)

Black (47%)



Cyan (72%)


Magenta (55%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.230, 241.907 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, 18.230, 241.907 by changing the saturation by 10% instead.


 46, 18.230,
241.907


 46, 18.230,
241.907


 100, 18.230,
241.907


 36, 18.230,
241.907

 66, 18.230,
241.907


 26, 18.230,
241.907

 76, 18.230,
241.907

 16, 18.230,
241.907


 86, 18.230,
241.907

 6, 18.230, 241.907

 96, 18.230,
241.907

 0, 18.230, 241.907

 46, 18.230,

 46, 18.230,

241.907

■ 44, 21.405,
244.230

■ 42, 24.255,
247.076

■ 40, 26.785,
250.512

■ 38, 29.043,
254.571

■ 37, 31.143,
259.133

■ 36, 31.899,
260.655

241.907

■ 48, 14.745,
240.024

■ 50, 10.988,
238.509

■ 53, 6.998, 237.300

■ 55, 2.819, 236.386

■ 57, 1.510, 55.213

■ 60, 5.954, 54.743

■ 62, 10.483, 54.239

■ 65, 15.072, 53.815

■ 67, 19.699, 53.463

Harmonies

Complementary

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



46, 18.230, 241.907



44, 23.823, 52.596

Rectangle

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



46, 18.230, 241.907



46, 18.230, 291.907



46, 18.230, 61.907



46, 18.230, 111.907

Sweetspot

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



46, 18.229, 241.905



68, 7.371, 237.069



51, 34.430, 151.495



35, 5.109, 237.266



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 18.229, 241.905



56, 26.197, 244.411



37, 32.518, 289.380



28, 2.456, 236.590



35, 31.389, 260.544



1, 1.158, 235.729

Inverse Universe

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



40, 34.933, 339.291



48, 50.956, 340.357



52, 30.210, 97.176



27, 4.305, 336.258



29, 55.951, 346.730



0, 1.983, 335.669

Previews

White Background



This preview shows how the CIE LCh color 46, 18.230, 241.907 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, 18.230, 241.907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

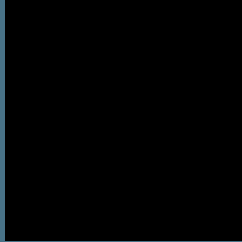
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 18.230, 241.907

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.230, 241.907.

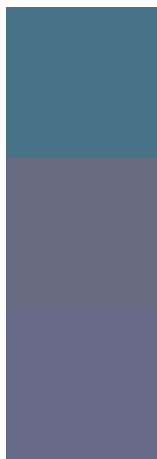


This preview shows how white text looks on a background with the CIELCh color 46, 18.230, 241.907.

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, 18.230, 241.907

Protanopia

46, 13.720, 285.834

Deuteranopia

46, 18.464, 290.452



Tritanopia
46, 16.755, 216.570

Trichromacy



Original Color
46, 18.230, 241.907

Protanomaly
46, 14.891, 266.455

Deuteranomaly
46, 16.932, 271.648

Tritanomaly
46, 16.994, 227.572

Monochromacy



Original Color
46, 18.230, 241.907

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.331, 233.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.230, 241.907 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, 114, 135)` looks like.

```
.text, #text, p{  
  color:rgb(72, 114, 135)  
}
```

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, 114, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 114, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.230, 241.907 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, 114, 135) }
```

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

```
.border{ border-color:rgb(72, 114, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 114, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 114, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 114, 135);  
box-shadow:4px 4px 4px 4px rgb(72, 114,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.230, 241.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 114, 135) }
```

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

```
.background{ background-color: rgb(72, 114,  
135) }
```

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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