

Converting Colors

CIELCh(46, 20.167, 266.002)

Have a look what the booklet for
CIELCh(46, 20.167, 266.002)
contains.

CIELCh(46, 20.143, 265.941)	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, 20.143, 265.941)

Conversions

Conversions Part 1

Format	Color
Hex	546F8E
RGB	84, 111, 142
RGB Percent	33%, 44%, 56%
CMY	0.6697, 0.5639, 0.4423
CMYK	0.41, 0.22, 0.00, 0.44
HSL	212°, 26%, 44%
HSV	212°, 41%, 56%
XYZ	14.2814, 15.2687, 27.8720
YIQ	106.4610, -26.0430, 3.9170

Conversions

Conversions Part 2

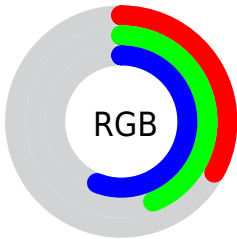
Format	Color
R_{YB}	84, 102, 142
Decimal	5533582
CIE _{Lab}	46.00, -1.43, -20.09
CIE _{LCh}	46, 20.143, 265.941
Yxy	15.2687, 0.2487, 0.2659
Android (android.graphics.Color)	4283723662 (0xFF546F8E)
YUV	106.4610, 17.5207, -19.6983
Hunter-Lab	39.0751, -3.1425, -14.9386

Details

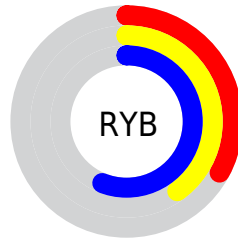
The CIELCh color **46, 20.143, 265.941** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 22.000, 73.956**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 20.042, 265.512**, and **26, 20.103, 265.478** is the 20% darker color. If you saturate the color by 10%, you get **43, 24.980, 268.434**, and if you desaturate by 10%, it is **49, 15.258, 263.821**.

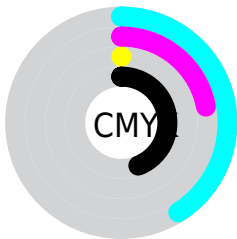
Distribution



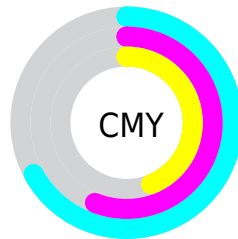
- Red (33%)
- Green (44%)
- Blue (56%)



- Red (33%)
- Yellow (40%)
- Blue (56%)



- Cyan (41%)
- Magenta (22%)
- Yellow (0%)
- Black (44%)





- Cyan (67%)
- Magenta (56%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 20.143, 265.941 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, 20.143, 265.941 by changing the saturation by 10% instead.


 46, 20.143,
265.941


 46, 20.143,
265.941


 100, 20.143,
265.941


 36, 20.143,
265.941

 66, 20.143,
265.941


 26, 20.143,
265.941

 76, 20.143,
265.941

 16, 20.143,
265.941

 86, 20.143,
265.941

 6, 20.143, 265.941

 96, 20.143,
265.941

 0, 20.143, 265.941

 46, 20.143,

 46, 20.143,

265.941

■ 43, 24.980,
268.434

■ 40, 29.781,
271.347

■ 37, 34.572,
274.700

■ 34, 39.398,
278.471

■ 31, 44.316,
282.571

■ 29, 48.998,
286.297

265.941

■ 49, 15.258,
263.821

■ 52, 10.332,
262.027

■ 56, 5.374, 260.519

■ 59, 0.397, 259.829

■ 62, 4.584, 77.983

■ 65, 9.557, 77.045

■ 69, 14.511, 76.212

■ 72, 19.435, 75.478

■ 75, 24.324, 74.830

Harmonies

Complementary

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



46, 20.143, 265.941



50, 22.000, 73.956

Rectangle

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



46, 20.143, 265.941



46, 20.143, 315.941



46, 20.143, 85.941



46, 20.143, 135.941

Sweetspot

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



46, 20.142, 265.940



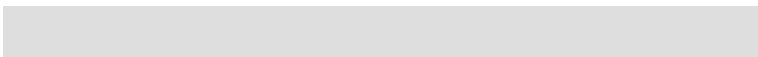
71, 7.445, 260.724



55, 26.875, 161.519



37, 4.976, 260.885



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, 20.142, 265.940



56, 30.030, 268.240



38, 35.635, 296.452



28, 2.824, 260.304



28, 46.989, 286.074



1, 1.911, 259.077

Inverse Universe

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



43, 28.407, 349.663



52, 42.235, 350.974



58, 32.182, 107.894



28, 3.861, 346.272



28, 52.736, 4.016



1, 2.577, 345.554

Previews

White Background



This preview shows how the CIELCh color 46, 20.143, 265.941 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, 20.143, 265.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

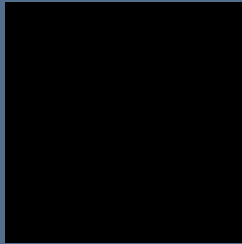
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

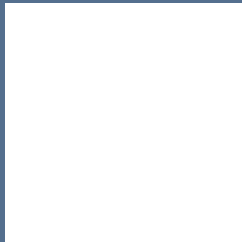
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 20.143, 265.941

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.143, 265.941.

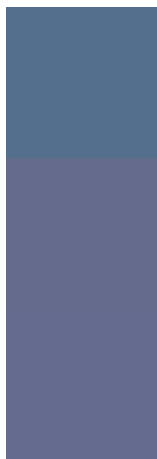


This preview shows how white text looks on a background with the CIELCh color 46, 20.143, 265.941.

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, 20.143, 265.941

Protanopia

46, 19.135, 285.306

Deuteranopia

46, 21.479, 286.541



Tritanopia
46, 13.716, 221.247

Trichromacy



Original Color
46, 20.143, 265.941

Protanomaly
46, 18.966, 276.677

Deuteranomaly
46, 20.659, 278.441

Tritanomaly
46, 14.969, 241.194

Monochromacy



Original Color
46, 20.143, 265.941

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 7.498, 260.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.143, 265.941 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(84, 111, 142)` looks like.

```
.text, #text, p{  
    color:rgb(84, 111, 142)  
}
```

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(84, 111, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 111, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.143, 265.941 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(84, 111, 142) }
```

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

```
.border{ border-color:rgb(84, 111, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 111, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 111, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 111, 142);  
box-shadow:4px 4px 4px 4px rgb(84, 111,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.143, 265.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 111, 142) }
```

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

```
.background{ background-color: rgb(84, 111,  
142) }
```

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