

Converting Colors

CIELCh(46, 15.388, 255.036)

Have a look what the booklet for
CIELCh(46, 15.388, 255.036)
contains.

CIELCh(46, 15.145, 254.757)	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, 15.145, 254.757)

Conversions

Conversions Part 1

Format	Color
Hex	567085
RGB	86, 112, 133
RGB Percent	34%, 44%, 52%
CMY	0.6626, 0.5607, 0.4783
CMYK	0.35, 0.16, 0.00, 0.48
HSL	207°, 21%, 43%
HSV	207°, 35%, 52%
XYZ	13.8733, 15.2687, 24.4170
YIQ	106.6200, -22.2370, 1.0190

Conversions

Conversions Part 2

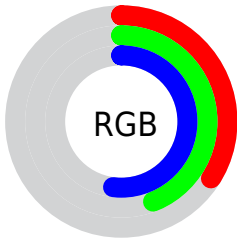
Format	Color
R_{YB}	86, 103, 133
Decimal	5664901
CIE _{Lab}	46.00, -3.98, -14.61
CIE _{LCh}	46, 15.145, 254.757
Yxy	15.2687, 0.2590, 0.2851
Android (android.graphics.Color)	4283854981 (0xFF567085)
YUV	106.6200, 13.0053, -18.0837
Hunter-Lab	39.0751, -5.0064, -9.6962




Details

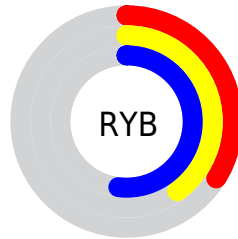
The CIELCh color **46, 15.145, 254.757** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 17.219, 65.568**, and the grayscale version is **45, 0.006, 296.813**.




A 20% lighter version of the original color is **66, 15.029, 253.476**, and **26, 14.996, 255.326** is the 20% darker color. If you saturate the color by 10%, you get **43, 19.153, 256.960**, and if you desaturate by 10%, it is **49, 10.995, 252.915**.

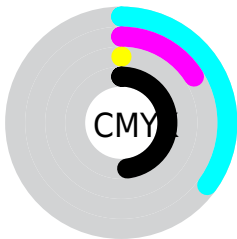
Distribution







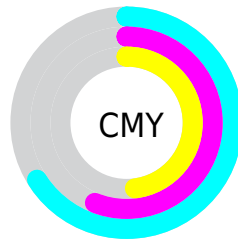
-  Red (34%)
-  Green (44%)
-  Blue (52%)






-  Red (34%)
-  Yellow (40%)
-  Blue (52%)



-  Cyan (35%)
-  Magenta (16%)
-  Yellow (0%)
-  Black (48%)





-  Cyan (66%)
-  Magenta (56%)
-  Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.145, 254.757 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, 15.145, 254.757 by changing the saturation by 10% instead.


 46, 15.145,
254.757


 46, 15.145,
254.757


 100, 15.145,
254.757


 36, 15.145,
254.757

 66, 15.145,
254.757


 26, 15.145,
254.757

 76, 15.145,
254.757

 16, 15.145,
254.757

 86, 15.145,
254.757

 6, 15.145, 254.757

 96, 15.145,
254.757

 0, 15.145, 254.757

 46, 15.145,

 46, 15.145,

254.757

254.757

■ 43, 19.153,
256.960

■ 49, 10.995,
252.915

■ 41, 23.009,
259.592

■ 51, 6.726, 251.389

■ 38, 26.713,
262.706

■ 54, 2.362, 250.176

■ 57, 2.074, 68.809

■ 36, 30.290,
266.331

■ 60, 6.560, 67.982

■ 34, 33.794,
270.449

■ 62, 11.077, 67.209

■ 65, 15.610, 66.535

■ 32, 37.311,
274.924

■ 68, 20.145, 65.948

■ 31, 39.018,
276.894

■ 71, 24.672, 65.434

Harmonies

Complementary

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



46, 15.145, 254.757



47, 17.219, 65.568

Rectangle

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



46, 15.145, 254.757



46, 15.145, 304.757



46, 15.145, 74.757



46, 15.145, 124.757

Sweetspot

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



46, 15.144, 254.755



67, 6.017, 250.849



52, 24.052, 157.113



34, 4.021, 250.992



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 15.144, 254.755



57, 22.115, 256.399



39, 26.831, 291.902



27, 2.483, 250.588



30, 38.309, 276.777



0, 0.599, 249.455

Inverse Universe

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



42, 24.542, 343.936



52, 36.102, 344.764



54, 24.939, 103.856



26, 3.851, 341.542



27, 52.314, 355.881



0, 0.913, 340.889

Previews

White Background



This preview shows how the CIELCh color 46, 15.145, 254.757 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 CIELCh color 46, 15.145, 254.757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

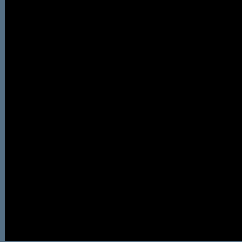
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

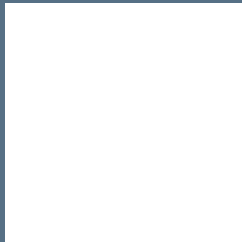
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 15.145, 254.757

Background



This preview shows how black text looks on a background with the CIELCh color 46, 15.145, 254.757.



This preview shows how white text looks on a background with the CIELCh color 46, 15.145, 254.757.

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, 15.145, 254.757

Protanopia

46, 13.132, 285.450

Deuteranopia

46, 16.683, 292.457



Tritanopia
46, 11.978, 225.033

Trichromacy



Original Color
46, 15.145, 254.757

Protanomaly
46, 13.663, 273.271

Deuteranomaly
46, 15.712, 280.322

Tritanomaly
46, 12.791, 239.407

Monochromacy



Original Color
46, 15.145, 254.757

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.633, 247.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 15.145, 254.757 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(86, 112, 133)` looks like.

```
.text, #text, p{  
    color:rgb(86, 112, 133)  
}
```

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(86, 112, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 112, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 15.145, 254.757 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(86, 112, 133) }
```

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

```
.border{ border-color:rgb(86, 112, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 112, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 112, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 112, 133);  
box-shadow:4px 4px 4px 4px rgb(86, 112,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 15.145, 254.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 112, 133) }
```

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

```
.background{ background-color: rgb(86, 112,  
133) }
```

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