

Converting Colors

CIELCh(46, 12.877, 255.955)

Have a look what the booklet for
CIELCh(46, 12.877, 255.955)
contains.

CIELCh(46, 13.170, 258.468)	3
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Color

CIELCh(46, 13.170, 258.468)

Conversions

Conversions Part 1

Format	Color
Hex	5B6F82
RGB	91, 111, 130
RGB Percent	36%, 44%, 51%
CMY	0.6423, 0.5639, 0.4893
CMYK	0.30, 0.15, 0.00, 0.49
HSL	209°, 18%, 43%
HSV	209°, 30%, 51%
XYZ	14.0877, 15.2687, 23.4017
YIQ	107.1860, -18.0190, 1.6690

Conversions

Conversions Part 2

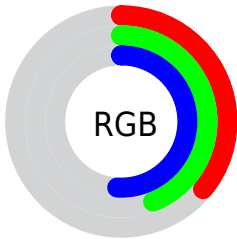
Format	Color
R_{YB}	91, 104, 130
Decimal	5992322
CIE _{Lab}	46.00, -2.63, -12.90
CIE _{LCh}	46, 13.170, 258.468
Yxy	15.2687, 0.2670, 0.2894
Android (android.graphics.Color)	4284182402 (0xFF5B6F82)
YUV	107.1860, 11.2473, -14.1951
Hunter-Lab	39.0751, -4.0272, -8.1556

Details

The CIELCh color **46, 13.170, 258.468** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 14.348, 70.497**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 13.081, 257.312**, and **26, 13.567, 259.941** is the 20% darker color. If you saturate the color by 10%, you get **43, 17.415, 260.510**, and if you desaturate by 10%, it is **49, 8.838, 256.746**.

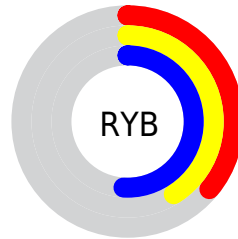
Distribution



Red (36%)

Green (44%)

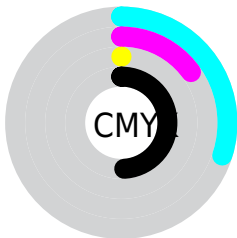
Blue (51%)



Red (36%)

Yellow (41%)

Blue (51%)

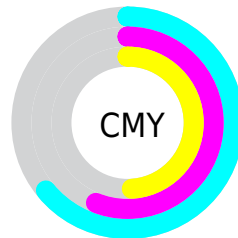


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (49%)



Cyan (64%)

Magenta (56%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 13.170, 258.468 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, 13.170, 258.468 by changing the saturation by 10% instead.

■ 46, 13.170,
258.468

■ 46, 13.170,
258.468

■ 100, 13.170,
258.468

■ 36, 13.170,
258.468

■ 66, 13.170,
258.468

■ 26, 13.170,
258.468

■ 76, 13.170,
258.468

■ 16, 13.170,
258.468

■ 86, 13.170,
258.468

■ 6, 13.170, 258.468

■ 96, 13.170,
258.468

■ 0, 13.170, 258.468

■ 46, 13.170,

■ 46, 13.170,

258.468

■ 43, 17.415,
260.510

■ 41, 21.563,
262.936

■ 38, 25.614,
265.794

■ 35, 29.584,
269.120

■ 33, 33.512,
272.911

■ 31, 37.460,
277.104

■ 28, 41.537,
281.295

■ 28, 41.556,
281.313

258.468

■ 49, 8.838, 256.746

■ 52, 4.437, 255.316

■ 54, 0.016, 57.007

■ 57, 4.502, 72.895

■ 60, 9.005, 72.017

■ 63, 13.512, 71.241

■ 66, 18.012, 70.561

■ 69, 22.494, 69.962

■ 72, 26.952, 69.432

Harmonies

Complementary

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



46, 13.170, 258.468



48, 14.348, 70.497

Rectangle

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



46, 13.170, 258.468



46, 13.170, 308.468



46, 13.170, 78.468



46, 13.170, 128.468

Sweetspot

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



46, 13.169, 258.465



66, 4.950, 255.221



51, 19.338, 160.135



34, 3.421, 255.379



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 13.169, 258.465



56, 19.407, 259.829



40, 23.368, 293.060



26, 2.553, 255.213



28, 41.511, 281.307



0, 0.615, 254.030

Inverse Universe

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



43, 19.932, 345.592



53, 29.567, 346.332



53, 21.848, 106.682



26, 3.746, 343.645



27, 51.702, 359.474



0, 0.888, 342.966

Previews

White Background



This preview shows how the CIELCh color 46, 13.170, 258.468 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, 13.170, 258.468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

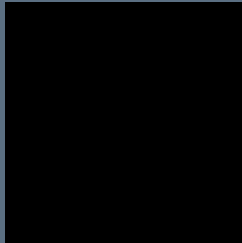
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

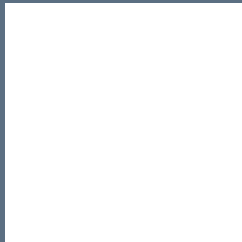
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 13.170, 258.468

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.170, 258.468.

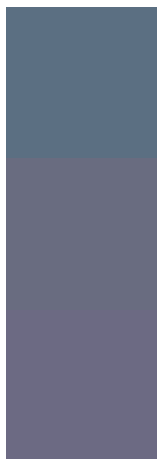


This preview shows how white text looks on a background with the CIELCh color 46, 13.170, 258.468.

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, 13.170, 258.468

Protanopia

46, 11.922, 286.372

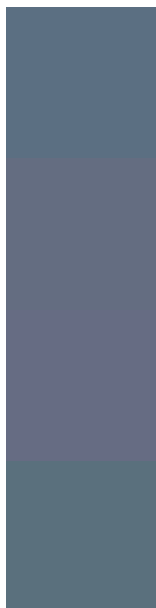
Deuteranopia

46, 14.930, 295.088



Tritanopia
46, 10.224, 230.286

Trichromacy



Original Color
46, 13.170, 258.468

Protanomaly
46, 12.256, 276.002

Deuteranomaly
46, 13.801, 282.810

Tritanomaly
46, 10.977, 243.764

Monochromacy



Original Color
46, 13.170, 258.468

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 4.703, 248.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.170, 258.468 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(91, 111, 130)` looks like.

```
.text, #text, p{  
    color:rgb(91, 111, 130)  
}
```

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(91, 111, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 111, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.170, 258.468 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(91, 111, 130) }
```

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

```
.border{ border-color:rgb(91, 111, 130) }
```

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

Here you see how a box with a 4 pixel rgb(91, 111, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 111, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 111, 130);  
box-shadow:4px 4px 4px 4px rgb(91, 111,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.170, 258.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 111, 130) }
```

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

```
.background{ background-color: rgb(91, 111,  
130) }
```

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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