

# Converting Colors

CIELCh(46, 13.287, 144.859)

Have a look what the booklet for  
CIELCh(46, 13.287, 144.859)  
contains.

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# Color

**CIELCh(46, 13.308, 144.897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5F7260
RGB	95, 114, 96
RGB Percent	37%, 45%, 38%
CMY	0.6280, 0.5535, 0.6241
CMYK	0.17, 0.00, 0.16, 0.55
HSL	123°, 9%, 41%
HSV	123°, 17%, 45%
XYZ	12.8100, 15.2687, 13.3039
YIQ	106.2670, -5.5460, -9.6260

# Conversions

## Conversions Part 2

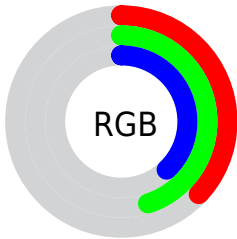
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	95, 113, 114
Decimal	6255200
CIE Lab	46.00, -10.89, 7.65
CIE LCh	46, 13.308, 144.897
Yxy	15.2687, 0.3095, 0.3690
Android (android.graphics.Color)	4284445280 (0xFF5F7260)
YUV	106.2670, -5.0616, -9.8812
Hunter-Lab	39.0751, -9.8640, 7.1661

# Details

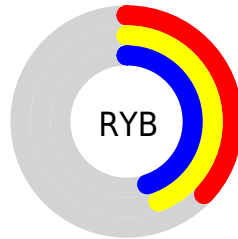
The CIELCh color  $46, 13.308, 144.897$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $43, 13.326, 326.761$ , and the grayscale version is  $45, 0.006, 296.813$ .

A 20% lighter version of the original color is  $66, 13.083, 145.103$ , and  $26, 13.318, 145.959$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 21.322, 144.159$ , and if you desaturate by 10%, it is  $47, 5.302, 145.548$ .

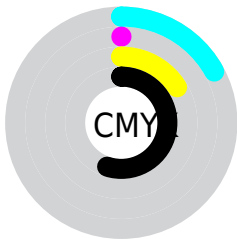
# Distribution



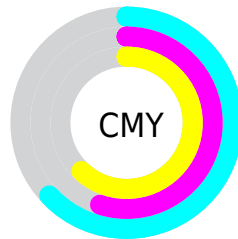
- Red (37%)
- Green (45%)
- Blue (38%)



- Red (37%)
- Yellow (44%)
- Blue (45%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (55%)




- Cyan (63%)
- Magenta (55%)
- Yellow (62%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 13.308, 144.897 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, 13.308, 144.897 by changing the saturation by 10% instead.





 46, 13.308,  
144.897


 46, 13.308,  
144.897


 100, 13.308,  
144.897


 36, 13.308,  
144.897

 66, 13.308,  
144.897


 26, 13.308,  
144.897

 76, 13.308,  
144.897

 16, 13.308,  
144.897


 86, 13.308,  
144.897

 6, 13.308, 144.897

 96, 13.308,  
144.897

 0, 13.308, 144.897

 46, 13.308,

 46, 13.308,

144.897

144.897

■ 45, 21.322,  
144.159

■ 47, 5.302, 145.548

■ 44, 29.223,  
143.309

■ 48, 2.614, 325.986

■ 43, 36.865,  
142.341

■ 50, 10.376,  
326.500

■ 43, 44.066,  
141.261

■ 51, 17.943,  
326.904

■ 42, 50.612,  
140.099

■ 53, 25.290,  
327.249

■ 42, 56.262,  
138.914

■ 54, 32.405,  
327.545

■ 41, 60.766,  
137.803

■ 56, 39.284,  
327.802

■ 41, 63.970,  
136.957

■ 58, 45.930,  
328.026

■ 41, 64.874,  
136.766

■ 60, 52.352,  
328.222

# Harmonies

# Complementary

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



46, 13.308, 144.897



43, 13.326, 326.761

# Rectangle

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



46, 13.308, 144.897



46, 13.308, 194.897



46, 13.308, 324.897



46, 13.308, 14.897

# Sweetspot

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



46, 13.309, 144.897



61, 4.905, 145.648



47, 11.153, 110.741



31, 3.327, 145.613



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



46, 13.309, 144.897



58, 19.790, 144.626



46, 9.235, 165.052



23, 4.413, 145.403



43, 67.364, 136.724



85, 116.188, 136.318



# Inverse Universe

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



43, 13.326, 326.761



53, 19.811, 326.970



42, 9.469, 347.841



22, 4.422, 326.337



27, 63.545, 330.359



58, 108.278, 330.488



# Previews

## White Background



This preview shows how the CIELCh color 46, 13.308, 144.897 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, 13.308, 144.897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

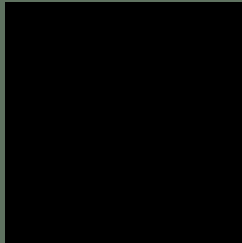
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 46, 13.308, 144.897**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 46, 13.308, 144.897.



This preview shows how white text looks on a background with the CIELCh color 46, 13.308, 144.897.

# 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, 13.308, 144.897

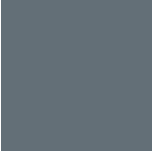
### Protanopia

46, 9.248, 92.593

### Deuteranopia

46, 8.836, 48.014





**Tritanopia**  
46, 6.539, 245.845

# Trichromacy



**Original Color**  
46, 13.308, 144.897

**Protanomaly**  
46, 9.548, 116.558

**Deuteranomaly**  
46, 6.849, 91.075

**Tritanomaly**  
46, 5.971, 193.040

# Monochromacy



**Original Color**  
46, 13.308, 144.897

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 5.092, 144.127

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 13.308, 144.897 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(95, 114, 96)` looks like.

```
.text, #text, p{  
    color:rgb(95, 114, 96)  
}
```

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(95, 114, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 114, 96) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 13.308, 144.897 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(95, 114, 96) }
```

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

```
.border{ border-color:rgb(95, 114, 96) }
```

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

Here you see how a box with a 4 pixel rgb(95, 114, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 114, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 114, 96);  
box-shadow:4px 4px 4px 4px rgb(95, 114,  
96) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 13.308, 144.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 114, 96) }
```

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

```
.background{ background-color: rgb(95, 114,  
96) }
```

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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