

Converting Colors

CIELCh(46, 35.535, 152.278)

Have a look what the booklet for
CIELCh(46, 35.535, 152.278)
contains.

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Color

CIELCh(46, 35.722, 152.122)

Conversions

Conversions Part 1

Format	Color
Hex	377A50
RGB	55, 122, 80
RGB Percent	22%, 48%, 31%
CMY	0.7849, 0.5221, 0.6868
CMYK	0.55, 0.00, 0.34, 0.52
HSL	142°, 38%, 35%
HSV	142°, 55%, 48%
XYZ	9.9521, 15.2687, 9.9860
YIQ	97.1790, -26.4500, -27.2660

Conversions

Conversions Part 2

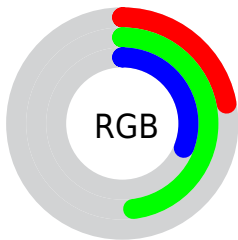
Format	Color
RYB	55, 104, 122
Decimal	3635792
CIELab	46.00, -31.58, 16.70
CIElCh	46, 35.722, 152.122
Yxy	15.2687, 0.2827, 0.4337
Android (android.graphics.Color)	4281825872 (0xFF377A50)
YUV	97.1790, -8.4692, -36.9910
Hunter-Lab	39.0751, -22.9192, 12.2005

Details

The CIELCh color **46, 35.722, 152.122** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **33, 36.402, 342.109**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 35.563, 152.480**, and **26, 34.386, 151.095** is the 20% darker color. If you saturate the color by 10%, you get **45, 41.391, 150.690**, and if you desaturate by 10%, it is **47, 29.641, 153.382**.

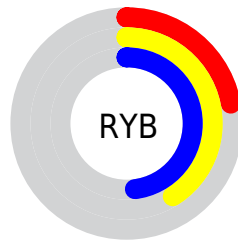
Distribution



Red (22%)

Green (48%)

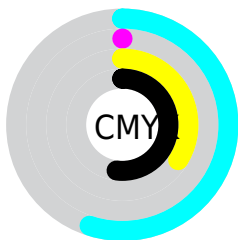
Blue (31%)



Red (22%)

Yellow (41%)

Blue (48%)

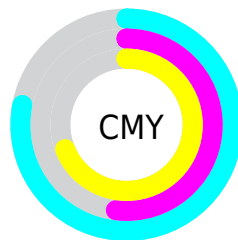


Cyan (55%)

Magenta (0%)

Yellow (34%)

Black (52%)



Cyan (78%)


Magenta (52%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 35.722, 152.122 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, 35.722, 152.122 by changing the saturation by 10% instead.


 46, 35.722,
152.122


 46, 35.722,
152.122


 100, 35.722,
152.122


 36, 35.722,
152.122

 66, 35.722,
152.122


 26, 35.722,
152.122

 76, 35.722,
152.122

 16, 35.722,
152.122

 86, 35.722,
152.122

 6, 35.722, 152.122

 96, 35.722,
152.122

 0, 35.722, 152.122

 46, 35.722,

 46, 35.722,

152.122

■ 45, 41.391,
150.690

■ 45, 46.548,
149.076

■ 45, 51.118,
147.282

■ 44, 55.087,
145.356

■ 44, 56.963,
144.471

152.122

■ 47, 29.641,
153.382

■ 47, 23.257,
154.489

■ 48, 16.678,
155.464

■ 49, 10.003,
156.329

■ 51, 3.314, 157.139

■ 52, 3.321, 337.665

■ 53, 9.852, 338.323

■ 55, 16.243,
338.884

■ 56, 22.470,

Harmonies

Complementary

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



46, 35.722, 152.122



33, 36.402, 342.109

Rectangle

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



46, 35.722, 152.122



46, 35.722, 202.122



46, 35.722, 332.122



46, 35.722, 22.122

Sweetspot

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



46, 35.723, 152.122



63, 13.218, 156.214



48, 39.221, 121.618



32, 8.877, 156.079



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 35.723, 152.122



58, 51.701, 150.287



47, 23.632, 183.829



25, 3.765, 156.805



45, 58.076, 144.410



87, 100.472, 143.183

Inverse Universe

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



33, 36.402, 342.109



40, 52.021, 343.663



32, 31.320, 15.887



24, 3.792, 338.006



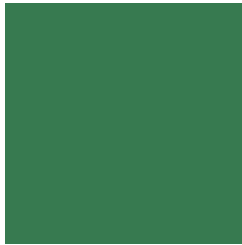
26, 52.506, 349.636



55, 87.518, 351.241

Previews

White Background



This preview shows how the CIELCh color 46, 35.722, 152.122 looks on a white background.

Color Contrast Check

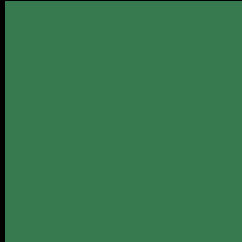
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.722, 152.122 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, 35.722, 152.122

Background



This preview shows how black text looks on a background with the CIELCh color 46, 35.722, 152.122.



This preview shows how white text looks on a background with the CIELCh color 46, 35.722, 152.122.

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, 35.722, 152.122

Protanopia

46, 20.427, 95.692

Deuteranopia

46, 15.904, 67.708



Tritanopia
46, 17.373, 217.947

Trichromacy



Original Color
46, 35.722, 152.122

Protanomaly
45, 23.238, 128.102

Deuteranomaly
45, 16.979, 121.257

Tritanomaly
46, 20.595, 181.970

Monochromacy



Original Color
46, 35.722, 152.122

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 13.464, 155.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 35.722, 152.122 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(55, 122, 80)` looks like.

```
.text, #text, p{  
    color:rgb(55, 122, 80)  
}
```

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(55, 122, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 122, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 35.722, 152.122 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(55, 122, 80) }
```

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

```
.border{ border-color:rgb(55, 122, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 122, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 122, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 122, 80);  
box-shadow:4px 4px 4px 4px rgb(55, 122,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 35.722, 152.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 122, 80) }
```

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

```
.background{ background-color: rgb(55, 122,  
80) }
```

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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