

Converting Colors

CIELCh(46, 52.407, 63.617)

Have a look what the booklet for
CIELCh(46, 52.407, 63.617) contains.

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Color

CIELCh(46, 52.458, 63.498)

Conversions

Conversions Part 1

Format	Color
Hex	A15C1A
RGB	161, 92, 26
RGB Percent	63%, 36%, 10%
CMY	0.3692, 0.6397, 0.8986
CMYK	0.00, 0.43, 0.84, 0.37
HSL	29°, 72%, 37%
HSV	29°, 84%, 63%
XYZ	18.6697, 15.2687, 2.9326
YIQ	105.1070, 62.3100, -5.8980

Conversions

Conversions Part 2

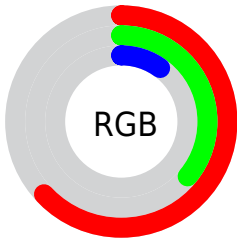
Format	Color
R_{YB}	161, 155, 26
Decimal	10574874
CIE Lab	46.00, 23.41, 46.95
CIE LCh	46, 52.458, 63.498
Yxy	15.2687, 0.5064, 0.4141
Android (android.graphics.Color)	4288764954 (0xFFA15C1A)
YUV	105.1070, -38.9998, 49.0182
Hunter-Lab	39.0751, 16.9041, 22.9028

Details

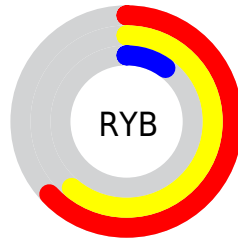
The CIELCh color **46, 52.458, 63.498** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **39, 41.773, 275.395**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 52.548, 63.483**, and **26, 44.043, 56.918** is the 20% darker color. If you saturate the color by 10%, you get **44, 57.645, 61.406**, and if you desaturate by 10%, it is **48, 46.125, 65.089**.

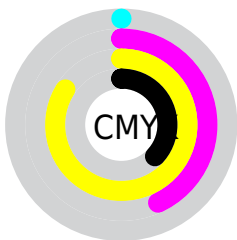
Distribution



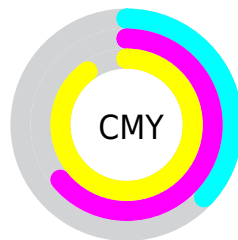
- Red (63%)
- Green (36%)
- Blue (10%)



- Red (63%)
- Yellow (61%)
- Blue (10%)



- Cyan (0%)
- Magenta (43%)
- Yellow (84%)
- Black (37%)



- Cyan (37%)
- Magenta (64%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 52.458, 63.498 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, 52.458, 63.498 by changing the saturation by 10% instead.

 46, 52.458, 63.498

 46, 52.458, 63.498

 100, 52.458,
63.498

 36, 52.458, 63.498

 66, 52.458, 63.498

 26, 52.458, 63.498

 76, 52.458, 63.498

 16, 52.458, 63.498

 86, 52.458, 63.498

 6, 52.458, 63.498

 96, 52.458, 63.498

 0, 52.458, 63.498

 46, 52.458, 63.498

 46, 52.458, 63.498

 44, 57.645, 61.406

 48, 46.125, 65.089

 43, 60.538, 60.129

 50, 39.354, 66.442

■ 53, 32.551, 67.701

■ 55, 25.917, 68.927

■ 57, 19.540, 70.142

■ 60, 13.448, 71.348

■ 63, 7.639, 72.535

■ 65, 2.097, 73.612

■ 68, 3.201, 255.029

Harmonies

Complementary

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



46, 52.458, 63.498



39, 41.773, 275.395

Rectangle

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



46, 52.458, 63.498



46, 52.458, 113.498



46, 52.458, 243.498



46, 52.458, 293.498

Sweetspot

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



46, 52.457, 63.501



76, 17.470, 71.162



36, 57.510, 354.636



39, 11.990, 70.766



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



46, 52.457, 63.501



55, 73.869, 59.359



64, 63.569, 102.371



33, 3.107, 73.067



39, 56.105, 60.480



3, 4.622, 68.998

Inverse Universe

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



39, 41.773, 275.395



46, 61.326, 283.382



22, 83.718, 303.923



33, 3.038, 255.454



32, 45.617, 282.019



2, 4.933, 259.339

Previews

White Background



This preview shows how the CIELCh color 46, 52.458, 63.498 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, 52.458, 63.498 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, 52.458, 63.498

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.458, 63.498.



This preview shows how white text looks on a background with the CIELCh color 46, 52.458, 63.498.

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, 52.458, 63.498

Protanopia

46, 44.115, 95.736

Deuteranopia

46, 48.370, 83.150



Tritanopia
46, 34.492, 18.831

Trichromacy



Original Color
46, 52.458, 63.498

Protanomaly
46, 45.190, 82.149

Deuteranomaly
46, 49.109, 75.962

Tritanomaly
46, 38.308, 41.153

Monochromacy



Original Color
46, 52.458, 63.498

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 18.576, 69.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.458, 63.498 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(161, 92, 26)` looks like.

```
.text, #text, p{  
    color:rgb(161, 92, 26)  
}
```

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(161, 92, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 92, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.458, 63.498 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(161, 92, 26) }
```

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

```
.border{ border-color:rgb(161, 92, 26) }
```

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

Here you see how a box with a 4 pixel rgb(161, 92, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 92, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 92, 26);  
box-shadow:4px 4px 4px 4px rgb(161, 92,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.458, 63.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 92, 26) }
```

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

```
.background{ background-color: rgb(161, 92,  
26) }
```

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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