

Converting Colors

CIELCh(48, 52.465, 121.258)

Have a look what the booklet for
CIELCh(48, 52.465, 121.258)
contains.

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Color

CIELCh(48, 52.517, 121.329)

Conversions

Conversions Part 1

Format	Color
Hex	5A7D1E
RGB	90, 125, 30
RGB Percent	35%, 49%, 12%
CMY	0.6489, 0.5116, 0.8843
CMYK	0.28, 0.00, 0.76, 0.51
HSL	82°, 62%, 30%
HSV	82°, 76%, 49%
XYZ	11.6762, 16.7945, 3.8220
YIQ	103.7050, 9.6350, -36.9650

Conversions

Conversions Part 2

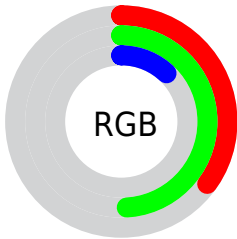
Format	Color
R_{YB}	30, 125, 65
Decimal	5930270
CIE _{Lab}	48.00, -27.31, 44.86
CIE _{LCh}	48, 52.517, 121.329
Yxy	16.7945, 0.3616, 0.5201
Android (android.graphics.Color)	4284120350 (0xFF5A7D1E)
YUV	103.7050, -36.3366, -12.0193
Hunter-Lab	40.9810, -20.8593, 23.1571

Details

The CIELCh color $48, 52.517, 121.329$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $22, 61.425, 309.187$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 52.796, 121.335$, and $28, 44.570, 126.017$ is the 20% darker color. If you saturate the color by 10%, you get $48, 56.885, 121.617$, and if you desaturate by 10%, it is $48, 47.056, 121.372$.

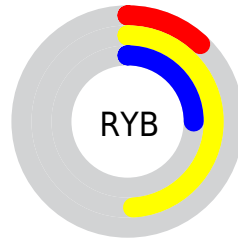
Distribution



Red (35%)

Green (49%)

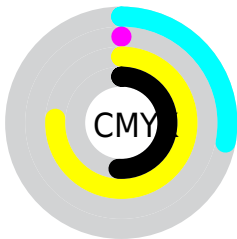
Blue (12%)



Red (12%)

Yellow (49%)

Blue (25%)

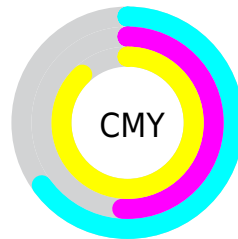


Cyan (28%)

Magenta (0%)

Yellow (76%)

Black (51%)



Cyan (65%)


Magenta (51%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 52.517, 121.329 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 48, 52.517, 121.329 by changing the saturation by 10% instead.


 48, 52.517,
121.329


 48, 52.517,
121.329


 100, 52.517,
121.329


 38, 52.517,
121.329

 68, 52.517,
121.329


 28, 52.517,
121.329


 78, 52.517,
121.329

 18, 52.517,
121.329

 88, 52.517,
121.329

 8, 52.517, 121.329

 98, 52.517,
121.329

 0, 52.517, 121.329

 48, 52.517,

 48, 52.517,

121.329

■ 48, 56.885,
121.617

■ 47, 60.063,
122.263

■ 47, 61.196,
122.483

121.329

■ 48, 47.056,
121.372

■ 49, 40.805,
121.636

■ 49, 34.026,
122.038

■ 50, 26.911,
122.514

■ 50, 19.596,
123.024

■ 51, 12.172,
123.540

■ 52, 4.703, 124.050

■ 53, 2.766, 304.501

■ 53, 10.201,
304.968

Harmonies

Complementary

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



48, 52.517, 121.329



22, 61.425, 309.187

Rectangle

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



48, 52.517, 121.329



48, 52.517, 171.329



48, 52.517, 301.329



48, 52.517, 351.329

Sweetspot

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



48, 52.517, 121.330



64, 21.119, 123.167



34, 39.538, 54.155



33, 14.718, 123.009



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 52.517, 121.330



60, 71.458, 122.136



46, 60.226, 135.811



25, 4.145, 123.910



47, 61.340, 122.489



90, 103.904, 123.321

Inverse Universe

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



22, 61.425, 309.187



24, 86.675, 309.545



29, 60.280, 323.502



24, 4.212, 304.796



16, 75.296, 309.674



37, 127.565, 309.132

Previews

White Background



This preview shows how the CIELCh color 48, 52.517, 121.329 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 48, 52.517, 121.329 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 48, 52.517, 121.329

Background



This preview shows how black text looks on a background with the CIELCh color 48, 52.517, 121.329.



This preview shows how white text looks on a background with the CIELCh color 48, 52.517, 121.329.

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](#).

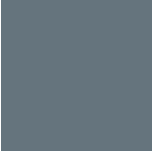
Dichromacy



Original Color
48, 52.517, 121.329

Protanopia
48, 46.982, 95.443

Deuteranopia
48, 43.500, 82.010



Tritanopia
48, 7.663, 242.989

Trichromacy



Original Color
48, 52.517, 121.329

Protanomaly
48, 47.700, 106.063

Deuteranomaly
47, 43.890, 98.464

Tritanomaly
48, 19.379, 136.435

Monochromacy



Original Color
48, 52.517, 121.329

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 21.341, 122.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 52.517, 121.329 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(90, 125, 30)` looks like.

```
.text, #text, p{  
    color:rgb(90, 125, 30)  
}
```

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(90, 125, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 125, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 52.517, 121.329 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(90, 125, 30) }
```

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

```
.border{ border-color:rgb(90, 125, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 125, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 125, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 125, 30);  
box-shadow:4px 4px 4px 4px rgb(90, 125,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 52.517, 121.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 125, 30) }
```

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

```
.background{ background-color: rgb(90, 125,  
30) }
```

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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