

Converting Colors

CIELCh(49, 32.799, 113.960)

Have a look what the booklet for
CIELCh(49, 32.799, 113.960)
contains.

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Color

CIELCh(49, 33.231, 114.478)

Conversions

Conversions Part 1

Format	Color
Hex	6F7A40
RGB	111, 122, 64
RGB Percent	44%, 48%, 25%
CMY	0.5656, 0.5225, 0.7499
CMYK	0.09, 0.00, 0.48, 0.52
HSL	71°, 31%, 36%
HSV	71°, 48%, 48%
XYZ	14.3763, 17.5941, 7.4563
YIQ	112.0990, 12.0620, -20.3700

Conversions

Conversions Part 2

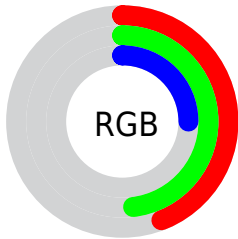
Format	Color
RYB	64, 122, 75
Decimal	7305792
CIELab	49.00, -13.77, 30.24
CIELCh	49, 33.231, 114.478
Yxy	17.5941, 0.3646, 0.4462
Android (android.graphics.Color)	4285495872 (0xFF6F7A40)
YUV	112.0990, -23.7128, -0.9638
Hunter-Lab	41.9453, -12.2252, 18.8221

Details

The CIELCh color $49, 33.231, 114.478$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 37.165, 301.903$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 33.058, 114.082$, and $29, 32.847, 113.920$ is the 20% darker color. If you saturate the color by 10%, you get $49, 39.556, 113.938$, and if you desaturate by 10%, it is $49, 26.540, 115.100$.

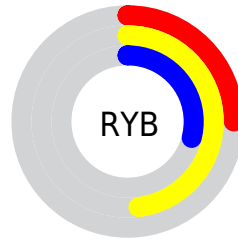
Distribution



Red (44%)

Green (48%)

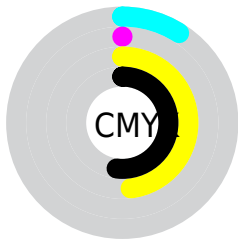
Blue (25%)



Red (25%)

Yellow (48%)

Blue (29%)

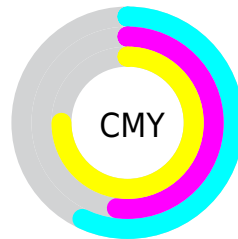


Cyan (9%)

Magenta (0%)

Yellow (48%)

Black (52%)



Cyan (57%)

Magenta (52%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 33.231, 114.478 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 49, 33.231, 114.478 by changing the saturation by 10% instead.

 49, 33.231,
114.478


 49, 33.231,
114.478


 100, 33.231,
114.478

 39, 33.231,
114.478

 69, 33.231,
114.478

 29, 33.231,
114.478

 79, 33.231,
114.478

 19, 33.231,
114.478

 89, 33.231,
114.478

 9, 33.231, 114.478

 99, 33.231,
114.478

 0, 33.231, 114.478

 49, 33.231,

 49, 33.231,

114.478

114.478

■ 49, 39.556,
113.938

■ 49, 26.540,
115.100

■ 48, 45.312,
113.525

■ 50, 19.621,
115.760

■ 48, 50.231,
113.310

■ 50, 12.567,
116.433

■ 48, 54.009,
113.375

■ 51, 5.443, 117.102

■ 48, 56.695,
113.701

■ 51, 1.710, 297.750

■ 48, 57.334,
113.770

■ 52, 8.860, 298.380

■ 52, 15.985,
298.979

■ 53, 23.069,
299.545

■ 54, 30.101,

Harmonies

Complementary

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



49, 33.231, 114.478



31, 37.165, 301.903

Rectangle

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



49, 33.231, 114.478



49, 33.231, 164.478



49, 33.231, 294.478



49, 33.231, 344.478

Sweetspot

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



49, 33.232, 114.480



64, 12.374, 116.653



37, 23.944, 38.158



33, 8.492, 116.535



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 33.232, 114.480



62, 48.378, 113.901



47, 37.352, 132.943



26, 4.040, 117.005



49, 58.412, 113.797



93, 98.547, 114.345

Inverse Universe

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



31, 37.165, 301.903



35, 55.964, 303.212



34, 38.719, 317.132



23, 4.119, 298.225



14, 77.541, 307.401



33, 131.201, 307.054

Previews

White Background



This preview shows how the CIELCh color 49, 33.231, 114.478 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 49, 33.231, 114.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

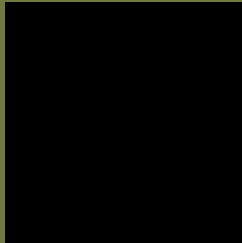
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 33.231, 114.478

Background



This preview shows how black text looks on a background with the CIELCh color 49, 33.231, 114.478.



This preview shows how white text looks on a background with the CIELCh color 49, 33.231, 114.478.

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

49, 33.231, 114.478

Protanopia

49, 31.456, 95.678

Deuteranopia

49, 30.262, 77.700



Tritanopia
49, 5.441, 303.424

Trichromacy



Original Color
49, 33.231, 114.478

Protanomaly
49, 31.422, 102.557

Deuteranomaly
49, 29.809, 91.713

Tritanomaly
49, 8.813, 114.478

Monochromacy



Original Color
49, 33.231, 114.478

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 12.982, 116.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 33.231, 114.478 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(111, 122, 64)` looks like.

```
.text, #text, p{  
    color:rgb(111, 122, 64)  
}
```

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(111, 122, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 122, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 33.231, 114.478 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(111, 122, 64) }
```

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

```
.border{ border-color:rgb(111, 122, 64) }
```

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

Here you see how a box with a 4 pixel rgb(111, 122, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 122, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 122, 64);  
box-shadow:4px 4px 4px 4px rgb(111, 122,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 33.231, 114.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 122, 64) }
```

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

```
.background{ background-color: rgb(111,  
122, 64) }
```

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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