

Converting Colors

CIELCh(49, 45.976, 147.591)

Have a look what the booklet for
CIELCh(49, 45.976, 147.591)
contains.

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Color

CIELCh(49, 45.945, 147.656)

Conversions

Conversions Part 1

Format	Color
Hex	318449
RGB	49, 132, 73
RGB Percent	19%, 52%, 29%
CMY	0.8084, 0.4829, 0.7142
CMYK	0.63, 0.00, 0.45, 0.48
HSL	137°, 46%, 35%
HSV	137°, 63%, 52%
XYZ	10.6906, 17.5941, 9.1142
YIQ	100.4570, -30.5290, -35.9450

Conversions

Conversions Part 2

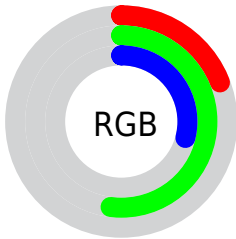
Format	Color
R_{YB}	49, 113, 132
Decimal	3245129
CIE _{Lab}	49.00, -38.82, 24.58
CIE _{LCh}	49, 45.945, 147.656
Yxy	17.5941, 0.2859, 0.4704
Android (android.graphics.Color)	4281435209 (0xFF318449)
YUV	100.4570, -13.5363, -45.1278
Hunter-Lab	41.9453, -27.9100, 16.4786

Details

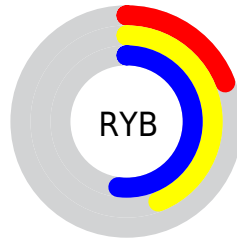
The CIELCh color $49, 45.945, 147.656$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $34, 45.745, 338.735$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 46.220, 147.461$, and $29, 43.040, 144.206$ is the 20% darker color. If you saturate the color by 10%, you get $49, 51.946, 146.117$, and if you desaturate by 10%, it is $50, 39.359, 149.024$.

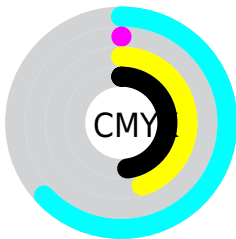
Distribution



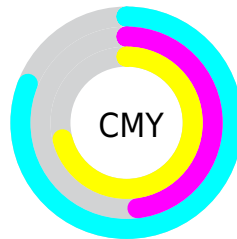
- Red (19%)
- Green (52%)
- Blue (29%)



- Red (19%)
- Yellow (44%)
- Blue (52%)



- Cyan (63%)
- Magenta (0%)
- Yellow (45%)
- Black (48%)




- Cyan (81%)
- Magenta (48%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 45.945, 147.656 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, 45.945, 147.656 by changing the saturation by 10% instead.


 49, 45.945,
147.656


 49, 45.945,
147.656

 100, 45.945,
147.656


 39, 45.945,
147.656

 69, 45.945,
147.656


 29, 45.945,
147.656

 79, 45.945,
147.656

 19, 45.945,
147.656

 89, 45.945,
147.656

 9, 45.945, 147.656

 99, 45.945,
147.656

 0, 45.945, 147.656

 49, 45.945,

 49, 45.945,

147.656

■ 49, 51.946,
146.117

■ 48, 57.245,
144.419

■ 48, 61.761,
142.602

■ 48, 64.584,
141.422

147.656

■ 50, 39.359,
149.024

■ 50, 32.320,
150.225

■ 51, 24.966,
151.275

■ 52, 17.427,
152.192

■ 53, 9.814, 152.999

■ 55, 2.222, 153.784

■ 56, 5.278, 334.241

■ 58, 12.634,
334.814

■ 59, 19.809,

Harmonies

Complementary

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



49, 45.945, 147.656



34, 45.745, 338.735

Rectangle

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



49, 45.945, 147.656



49, 45.945, 197.656



49, 45.945, 327.656



49, 45.945, 17.656

Sweetspot

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



49, 45.946, 147.656



67, 17.820, 152.488



52, 46.278, 117.866



35, 12.363, 152.281



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 45.946, 147.656



62, 65.937, 145.328



50, 29.679, 175.529



27, 4.284, 153.288



47, 63.897, 141.451



1, 1.023, 153.867

Inverse Universe

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



34, 45.745, 338.735



41, 63.678, 340.347



33, 38.069, 11.630



26, 4.305, 334.420



28, 56.705, 343.512



0, 1.024, 333.860

Previews

White Background



This preview shows how the CIELCh color 49, 45.945, 147.656 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, 45.945, 147.656 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, 45.945, 147.656

Background



This preview shows how black text looks on a background with the CIELCh color 49, 45.945, 147.656.



This preview shows how white text looks on a background with the CIELCh color 49, 45.945, 147.656.

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, 45.945, 147.656

Protanopia

49, 28.678, 96.088

Deuteranopia

49, 23.436, 74.191



Tritanopia
49, 19.644, 215.147

Trichromacy



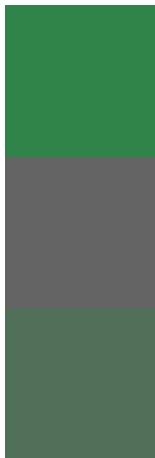
Original Color
49, 45.945, 147.656

Protanomaly
48, 31.963, 124.701

Deuteranomaly
48, 25.478, 119.898

Tritanomaly
49, 25.271, 176.237

Monochromacy



Original Color
49, 45.945, 147.656

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 18.359, 151.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 45.945, 147.656 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(49, 132, 73)` looks like.

```
.text, #text, p{  
    color:rgb(49, 132, 73)  
}
```

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(49, 132, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 132, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 45.945, 147.656 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(49, 132, 73) }
```

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

```
.border{ border-color:rgb(49, 132, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 132, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 132, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 132, 73);  
box-shadow:4px 4px 4px 4px rgb(49, 132,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 45.945, 147.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 132, 73) }
```

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

```
.background{ background-color: rgb(49, 132,  
73) }
```

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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