

Converting Colors

CIELCh(45, 34.349, 149.707)

Have a look what the booklet for
CIELCh(45, 34.349, 149.707)
contains.

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Color

CIELCh(45, 34.764, 149.182)

Conversions

Conversions Part 1

Format	Color
Hex	3B774C
RGB	59, 119, 76
RGB Percent	23%, 47%, 30%
CMY	0.7701, 0.5348, 0.7033
CMYK	0.51, 0.00, 0.36, 0.53
HSL	137°, 34%, 35%
HSV	137°, 51%, 47%
XYZ	9.6276, 14.5417, 9.0749
YIQ	96.1580, -21.9570, -26.0930

Conversions

Conversions Part 2

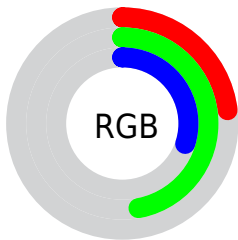
Format	Color
R_{YB}	59, 106, 119
Decimal	3897164
CIE _{Lab}	45.00, -29.86, 17.81
CIE _{LCh}	45, 34.764, 149.182
Yxy	14.5417, 0.2896, 0.4374
Android (android.graphics.Color)	4282087244 (0xFF3B774C)
YUV	96.1580, -9.9379, -32.5876
Hunter-Lab	38.1336, -21.6677, 12.5838

Details

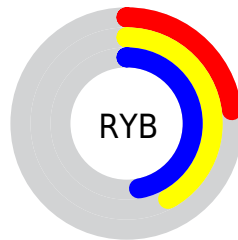
The CIELCh color $45, 34.764, 149.182$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $34, 34.997, 337.281$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 35.106, 149.142$, and $25, 34.950, 148.994$ is the 20% darker color. If you saturate the color by 10%, you get $44, 40.969, 147.882$, and if you desaturate by 10%, it is $46, 28.185, 150.323$.

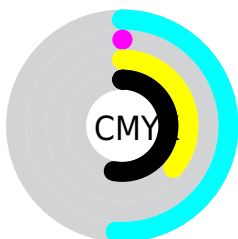
Distribution



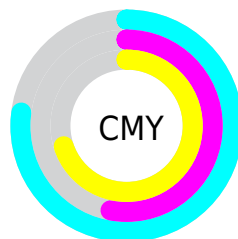
- Red (23%)
- Green (47%)
- Blue (30%)



- Red (23%)
- Yellow (42%)
- Blue (47%)



- Cyan (51%)
- Magenta (0%)
- Yellow (36%)
- Black (53%)





- Cyan (77%)
- Magenta (53%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 34.764, 149.182 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 45, 34.764, 149.182 by changing the saturation by 10% instead.


 45, 34.764,
149.182


 45, 34.764,
149.182


 100, 34.764,
149.182


 35, 34.764,
149.182

 65, 34.764,
149.182


 25, 34.764,
149.182

 75, 34.764,
149.182

 15, 34.764,
149.182

 85, 34.764,
149.182

 5, 34.764, 149.182

 95, 34.764,
149.182

 0, 34.764, 149.182

 45, 34.764,

 45, 34.764,

149.182

149.182

■ 44, 40.969,
147.882

■ 46, 28.185,
150.323

■ 44, 46.673,
146.415

■ 47, 21.353,
151.321

■ 44, 51.766,
144.789

■ 48, 14.382,
152.194

■ 43, 56.159,
143.032

■ 49, 7.369, 152.968

■ 43, 59.771,
141.482

■ 50, 0.394, 154.181

■ 51, 6.484, 334.156

■ 52, 13.221,
334.697

■ 54, 19.787,
335.170

■ 56, 26.165,

Harmonies

Complementary

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



45, 34.764, 149.182



34, 34.997, 337.281

Rectangle

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



45, 34.764, 149.182



45, 34.764, 199.182



45, 34.764, 329.182



45, 34.764, 19.182

Sweetspot

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



45, 34.765, 149.182



61, 12.898, 152.607



47, 34.922, 118.374



31, 8.752, 152.479



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 34.765, 149.182



56, 50.619, 147.615



46, 22.983, 177.116



24, 3.882, 153.082



44, 61.224, 141.411



86, 106.543, 140.284

Inverse Universe

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



34, 34.997, 337.281



40, 50.434, 338.350



33, 28.002, 8.554



23, 3.900, 334.179



26, 54.543, 343.006



56, 91.547, 344.088

Previews

White Background



This preview shows how the CIELCh color 45, 34.764, 149.182 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 45, 34.764, 149.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

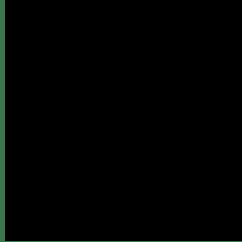
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 34.764, 149.182

Background



This preview shows how black text looks on a background with the CIELCh color 45, 34.764, 149.182.



This preview shows how white text looks on a background with the CIELCh color 45, 34.764, 149.182.

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

45, 34.764, 149.182

Protanopia

45, 21.625, 96.023

Deuteranopia

45, 16.925, 69.972



Tritanopia
45, 15.683, 218.082

Trichromacy



Original Color
45, 34.764, 149.182

Protanomaly
45, 23.936, 124.206

Deuteranomaly
44, 17.980, 117.579

Tritanomaly
45, 19.193, 179.024

Monochromacy



Original Color
45, 34.764, 149.182

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 12.930, 153.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 34.764, 149.182 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(59, 119, 76)` looks like.

```
.text, #text, p{  
    color:rgb(59, 119, 76)  
}
```

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(59, 119, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 119, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 34.764, 149.182 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(59, 119, 76) }
```

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

```
.border{ border-color:rgb(59, 119, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 119, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 119, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 119, 76);  
box-shadow:4px 4px 4px 4px rgb(59, 119,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 34.764, 149.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 119, 76) }
```

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

```
.background{ background-color: rgb(59, 119,  
76) }
```

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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