

Converting Colors

CIELCh(45, 40.992, 147.631)

Have a look what the booklet for
CIELCh(45, 40.992, 147.631)
contains.

CIELCh(45, 41.007, 147.484)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 41.007, 147.484)

Conversions

Conversions Part 1

Format	Color
Hex	317844
RGB	49, 120, 68
RGB Percent	19%, 47%, 27%
CMY	0.8073, 0.5289, 0.7328
CMYK	0.59, 0.00, 0.43, 0.53
HSL	136°, 42%, 33%
HSV	136°, 59%, 47%
XYZ	9.0541, 14.5417, 7.8188
YIQ	92.8430, -25.6240, -31.2240

Conversions

Conversions Part 2

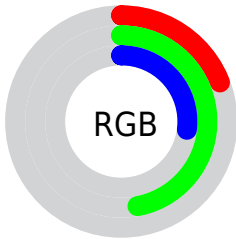
Format	Color
RYB	49, 105, 120
Decimal	3242052
CIELab	45.00, -34.58, 22.04
CIELCh	45, 41.007, 147.484
Yxy	14.5417, 0.2882, 0.4629
Android (android.graphics.Color)	4281432132 (0xFF317844)
YUV	92.8430, -12.2476, -38.4503
Hunter-Lab	38.1336, -24.3525, 14.5369

Details

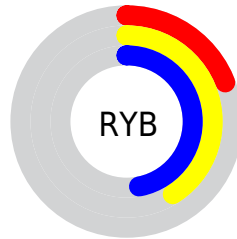
The CIELCh color $45, 41.007, 147.484$ is a dark color, and the websafe version is hex 006633 . A complement of this color would be $32, 40.928, 337.274$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 40.942, 147.551$, and $25, 38.683, 144.582$ is the 20% darker color. If you saturate the color by 10%, you get $44, 46.922, 146.051$, and if you desaturate by 10%, it is $46, 34.595, 148.753$.

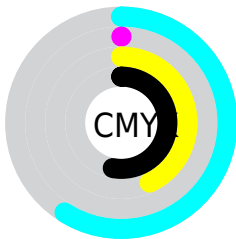
Distribution



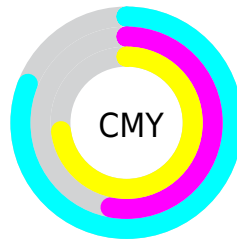
- Red (19%)
- Green (47%)
- Blue (27%)



- Red (19%)
- Yellow (41%)
- Blue (47%)



- Cyan (59%)
- Magenta (0%)
- Yellow (43%)
- Black (53%)



- Cyan (81%)
- Magenta (53%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 41.007, 147.484 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, 41.007, 147.484 by changing the saturation by 10% instead.


 45, 41.007,
147.484


 45, 41.007,
147.484


 100, 41.007,
147.484

 35, 41.007,
147.484

 65, 41.007,
147.484


 25, 41.007,
147.484

 75, 41.007,
147.484

 15, 41.007,
147.484

 85, 41.007,
147.484

 5, 41.007, 147.484

 95, 41.007,
147.484

 0, 41.007, 147.484

 45, 41.007,

 45, 41.007,

147.484

147.484

■ 44, 46.922,
146.051

■ 46, 34.595,
148.753

■ 44, 52.216,
144.462

■ 46, 27.814,
149.866

■ 44, 56.788,
142.746

■ 47, 20.792,
150.838

■ 44, 60.696,
141.097

■ 48, 13.646,
151.688

■ 44, 61.031,
140.968

■ 49, 6.473, 152.443

■ 51, 0.649, 332.706

■ 52, 7.661, 333.594

■ 53, 14.522,
334.113

■ 55, 21.202,

Harmonies

Complementary

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



45, 41.007, 147.484



32, 40.928, 337.274

Rectangle

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



45, 41.007, 147.484



45, 41.007, 197.484



45, 41.007, 327.484



45, 41.007, 17.484

Sweetspot

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



45, 41.008, 147.484



62, 15.894, 151.740



48, 40.508, 117.293



32, 11.135, 151.545



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 41.008, 147.484



57, 59.009, 145.490



46, 26.657, 174.733



25, 4.072, 152.444



45, 62.899, 140.884



87, 108.528, 139.823

Inverse Universe

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



32, 40.928, 337.274



39, 57.634, 338.558



31, 33.157, 9.197



24, 4.090, 333.536



27, 55.937, 341.944



56, 93.274, 342.906

Previews

White Background



This preview shows how the CIELCh color 45, 41.007, 147.484 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, 41.007, 147.484 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, 41.007, 147.484

Background



This preview shows how black text looks on a background with the CIELCh color 45, 41.007, 147.484.



This preview shows how white text looks on a background with the CIELCh color 45, 41.007, 147.484.

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, 41.007, 147.484

Protanopia

45, 25.650, 95.980

Deuteranopia

45, 20.805, 72.193



Tritanopia
45, 17.527, 215.684

Trichromacy



Original Color
45, 41.007, 147.484

Protanomaly
44, 28.130, 124.017

Deuteranomaly
44, 22.124, 117.596

Tritanomaly
45, 22.226, 176.383

Monochromacy



Original Color
45, 41.007, 147.484

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 15.883, 151.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 41.007, 147.484 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, 120, 68)` looks like.

```
.text, #text, p{  
    color:rgb(49, 120, 68)  
}
```

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, 120, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 120, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 41.007, 147.484 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, 120, 68) }
```

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

```
.border{ border-color:rgb(49, 120, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 120, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 120, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 120, 68);  
box-shadow:4px 4px 4px 4px rgb(49, 120,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 41.007, 147.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 120, 68) }
```

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

```
.background{ background-color: rgb(49, 120,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor