

Converting Colors

CIELCh(45, 32.747, 150.042)

Have a look what the booklet for
CIELCh(45, 32.747, 150.042)
contains.

CIELCh(45, 32.783, 149.999)	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, 32.783, 149.999)

Conversions

Conversions Part 1

Format	Color
Hex	3D764E
RGB	61, 118, 78
RGB Percent	24%, 46%, 31%
CMY	0.7602, 0.5366, 0.6936
CMYK	0.48, 0.00, 0.34, 0.54
HSL	138°, 32%, 35%
HSV	138°, 48%, 46%
XYZ	9.8103, 14.5417, 9.5240
YIQ	96.3970, -21.1320, -24.5240

Conversions

Conversions Part 2

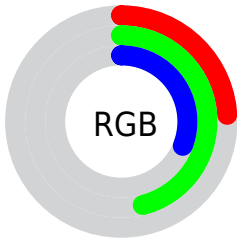
Format	Color
RYB	61, 105, 118
Decimal	4027982
CIELab	45.00, -28.39, 16.39
CIElCh	45, 32.783, 149.999
Yxy	14.5417, 0.2896, 0.4293
Android (android.graphics.Color)	4282218062 (0xFF3D764E)
YUV	96.3970, -9.0697, -31.0432
Hunter-Lab	38.1336, -20.8127, 11.8856

Details

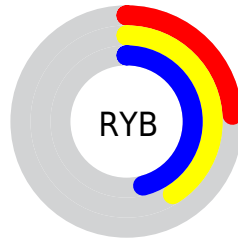
The CIELCh color **45, 32.783, 149.999** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **34, 33.095, 337.729**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 33.164, 149.742**, and **25, 32.910, 149.961** is the 20% darker color. If you saturate the color by 10%, you get **44, 38.994, 148.730**, and if you desaturate by 10%, it is **46, 26.233, 151.111**.

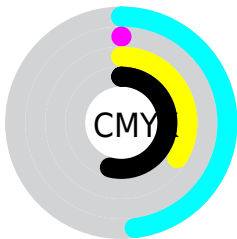
Distribution



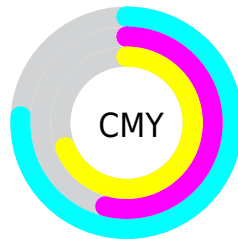
- Red (24%)
- Green (46%)
- Blue (31%)



- Red (24%)
- Yellow (41%)
- Blue (46%)



- Cyan (48%)
- Magenta (0%)
- Yellow (34%)
- Black (54%)





- Cyan (76%)
- Magenta (54%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 32.783, 149.999 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, 32.783, 149.999 by changing the saturation by 10% instead.


 45, 32.783,
149.999


 45, 32.783,
149.999


 100, 32.783,
149.999


 35, 32.783,
149.999

 65, 32.783,
149.999


 25, 32.783,
149.999

 75, 32.783,
149.999

 15, 32.783,
149.999

 85, 32.783,
149.999

 5, 32.783, 149.999

 95, 32.783,
149.999

 0, 32.783, 149.999

 45, 32.783,

 45, 32.783,

149.999

149.999

■ 44, 38.994,
148.730

■ 46, 26.233,
151.111

■ 44, 44.742,
147.293

■ 47, 19.459,
152.084

■ 43, 49.918,
145.689

■ 48, 12.571,
152.938

■ 43, 54.433,
143.938

■ 49, 5.659, 153.704

■ 43, 58.336,
142.199

■ 50, 1.203, 334.127

■ 51, 7.959, 334.869

■ 43, 58.987,
141.933

■ 53, 14.571,
335.400

■ 54, 21.011,
335.869

■ 56, 27.263,

Harmonies

Complementary

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



45, 32.783, 149.999



34, 33.095, 337.729

Rectangle

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



45, 32.783, 149.999



45, 32.783, 199.999



45, 32.783, 329.999



45, 32.783, 19.999

Sweetspot

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



45, 32.784, 149.999



61, 11.907, 153.245



47, 33.307, 118.486



31, 8.176, 153.111



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, 32.784, 149.999



57, 47.878, 148.568



46, 22.023, 177.383



24, 3.841, 153.646



44, 60.610, 141.851



86, 105.524, 140.697

Inverse Universe

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



34, 33.095, 337.729



41, 47.970, 338.746



33, 26.574, 8.088



23, 3.860, 334.757



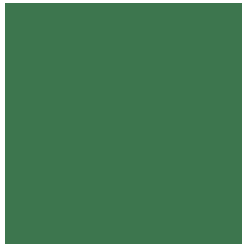
26, 54.046, 343.990



55, 90.696, 345.156

Previews

White Background



This preview shows how the CIELCh color 45, 32.783, 149.999 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 CIE LCh color 45, 32.783, 149.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

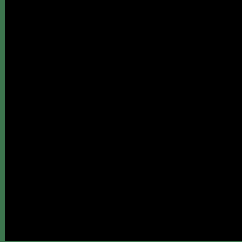
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 32.783, 149.999

Background



This preview shows how black text looks on a background with the CIELCh color 45, 32.783, 149.999.



This preview shows how white text looks on a background with the CIELCh color 45, 32.783, 149.999.

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, 32.783, 149.999

Protanopia
45, 19.922, 95.401

Deuteranopia
45, 15.660, 68.892



Tritanopia
45, 15.135, 218.898

Trichromacy



Original Color
45, 32.783, 149.999

Protanomaly
44, 21.641, 125.057

Deuteranomaly
44, 16.263, 118.804

Tritanomaly
45, 18.350, 180.226

Monochromacy



Original Color
45, 32.783, 149.999

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 12.624, 152.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 32.783, 149.999 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(61, 118, 78)` looks like.

```
.text, #text, p{  
    color:rgb(61, 118, 78)  
}
```

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(61, 118, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 118, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 32.783, 149.999 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(61, 118, 78) }
```

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

```
.border{ border-color:rgb(61, 118, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 118, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 118, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 118, 78);  
box-shadow:4px 4px 4px 4px rgb(61, 118,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 32.783, 149.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 118, 78) }
```

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

```
.background{ background-color: rgb(61, 118,  
78) }
```

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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