

Converting Colors

CIELCh(45, 35.332, 143.023)

Have a look what the booklet for
CIELCh(45, 35.332, 143.023)
contains.

CIELCh(45, 35.344, 143.257)	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, 35.344, 143.257)

Conversions

Conversions Part 1

Format	Color
Hex	427646
RGB	66, 118, 70
RGB Percent	26%, 46%, 27%
CMY	0.7414, 0.5375, 0.7257
CMYK	0.44, 0.00, 0.41, 0.54
HSL	125°, 28%, 36%
HSV	125°, 44%, 46%
XYZ	9.8189, 14.5417, 8.0752
YIQ	96.9800, -15.5840, -25.9520

Conversions

Conversions Part 2

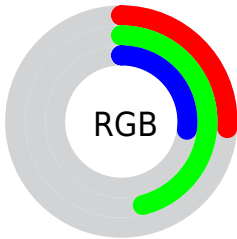
Format	Color
RYB	66, 114, 118
Decimal	4355654
CIELab	45.00, -28.32, 21.14
CIElCh	45, 35.344, 143.257
Yxy	14.5417, 0.3027, 0.4483
Android (android.graphics.Color)	4282545734 (0xFF427646)
YUV	96.9800, -13.3011, -27.1695
Hunter-Lab	38.1336, -20.7725, 14.1382

Details

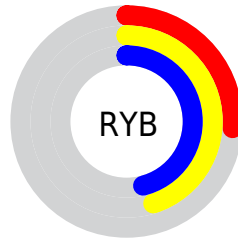
The CIELCh color **45, 35.344, 143.257** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 35.259, 328.974**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 35.532, 143.226**, and **25, 35.492, 143.116** is the 20% darker color. If you saturate the color by 10%, you get **44, 42.781, 142.183**, and if you desaturate by 10%, it is **46, 27.521, 144.210**.

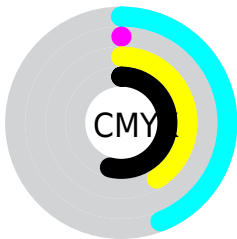
Distribution



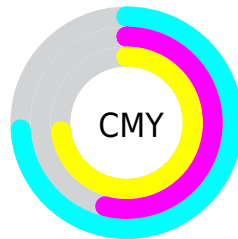
- Red (26%)
- Green (46%)
- Blue (27%)



- Red (26%)
- Yellow (45%)
- Blue (46%)



- Cyan (44%)
- Magenta (0%)
- Yellow (41%)
- Black (54%)





- Cyan (74%)
- Magenta (54%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 35.344, 143.257 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, 35.344, 143.257 by changing the saturation by 10% instead.


 45, 35.344,
143.257


 45, 35.344,
143.257


 100, 35.344,
143.257


 35, 35.344,
143.257

 65, 35.344,
143.257


 25, 35.344,
143.257

 75, 35.344,
143.257

 15, 35.344,
143.257

 85, 35.344,
143.257

 5, 35.344, 143.257

 95, 35.344,
143.257

 0, 35.344, 143.257

 45, 35.344,

 45, 35.344,

143.257

143.257

■ 44, 42.781,
142.183

■ 46, 27.521,
144.210

■ 44, 49.629,
141.003

■ 47, 19.480,
145.041

■ 43, 55.665,
139.761

■ 48, 11.361,
145.763

■ 43, 60.651,
138.537

■ 49, 3.273, 146.418

■ 43, 64.378,
137.455

■ 50, 4.705, 326.848

■ 43, 66.054,
137.063

■ 52, 12.514,
327.325

■ 53, 20.118,
327.721

■ 55, 27.496,
328.061

■ 57, 34.637,
328.355

Harmonies

Complementary

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



45, 35.344, 143.257



36, 35.259, 328.974

Rectangle

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



45, 35.344, 143.257



45, 35.344, 193.257



45, 35.344, 323.257



45, 35.344, 13.257

Sweetspot

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



45, 35.345, 143.257



61, 12.969, 145.814



48, 29.790, 109.204



31, 9.029, 145.692



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, 35.345, 143.257



57, 51.855, 142.156



46, 24.149, 163.076



24, 4.505, 146.095



44, 67.902, 137.020



86, 116.582, 136.499

Inverse Universe

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



36, 35.259, 328.974



43, 51.466, 329.499



35, 25.897, 352.023



23, 4.514, 327.049



28, 63.328, 331.430



58, 107.019, 331.622

Previews

White Background



This preview shows how the CIELCh color 45, 35.344, 143.257 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, 35.344, 143.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

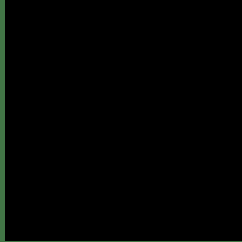
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 35.344, 143.257

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.344, 143.257.



This preview shows how white text looks on a background with the CIELCh color 45, 35.344, 143.257.

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, 35.344, 143.257

Protanopia
45, 24.535, 95.707

Deuteranopia
45, 20.016, 72.425



Tritanopia
45, 13.447, 221.864

Trichromacy



Original Color
45, 35.344, 143.257

Protanomaly
44, 25.679, 118.802

Deuteranomaly
44, 20.073, 111.154

Tritanomaly
45, 17.404, 173.046

Monochromacy



Original Color
45, 35.344, 143.257

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 13.509, 144.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.344, 143.257 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(66, 118, 70)` looks like.

```
.text, #text, p{  
    color:rgb(66, 118, 70)  
}
```

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(66, 118, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 118, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.344, 143.257 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(66, 118, 70) }
```

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

```
.border{ border-color:rgb(66, 118, 70) }
```

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

Here you see how a box with a 4 pixel rgb(66, 118, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 118, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 118, 70);  
box-shadow:4px 4px 4px 4px rgb(66, 118,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.344, 143.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 118, 70) }
```

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

```
.background{ background-color: rgb(66, 118,  
70) }
```

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