

Converting Colors

CIELCh(44, 52.962, 133.268)

Have a look what the booklet for
CIELCh(44, 52.962, 133.268)
contains.

CIELCh(44, 52.995, 133.364)	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(44, 52.995, 133.364)

Conversions

Conversions Part 1

Format	Color
Hex	387622
RGB	56, 118, 34
RGB Percent	22%, 46%, 13%
CMY	0.7815, 0.5383, 0.8677
CMYK	0.53, 0.00, 0.71, 0.54
HSL	104°, 55%, 30%
HSV	104°, 71%, 46%
XYZ	8.3455, 13.8382, 3.7241
YIQ	89.8860, -9.9880, -39.2680

Conversions

Conversions Part 2

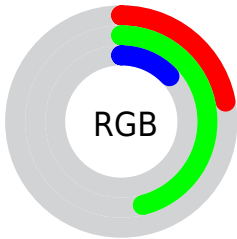
Format	Color
R_{YB}	34, 118, 96
Decimal	3700258
CIE Lab	44.00, -36.39, 38.53
CIE LCh	44, 52.995, 133.364
Yxy	13.8382, 0.3221, 0.5341
Android (android.graphics.Color)	4281890338 (0xFF387622)
YUV	89.8860, -27.5518, -29.7180
Hunter-Lab	37.1997, -25.0543, 20.1043

Details

The CIELCh color $44, 52.995, 133.364$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $26, 54.773, 319.414$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $64, 53.297, 133.282$, and $25, 46.502, 136.352$ is the 20% darker color. If you saturate the color by 10%, you get $44, 58.348, 133.144$, and if you desaturate by 10%, it is $45, 46.674, 133.794$.

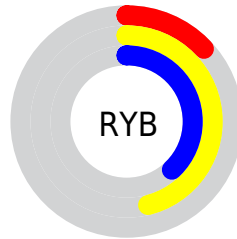
Distribution



Red (22%)

Green (46%)

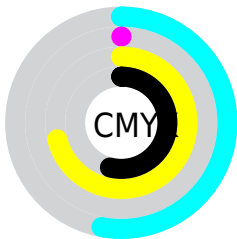
Blue (13%)



Red (13%)

Yellow (46%)

Blue (38%)

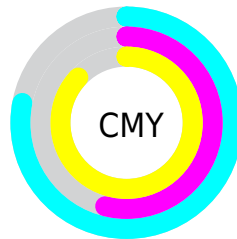


Cyan (53%)

Magenta (0%)

Yellow (71%)

Black (54%)



Cyan (78%)

Magenta (54%)

Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 52.995, 133.364 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 44, 52.995, 133.364 by changing the saturation by 10% instead.


 44, 52.995,
133.364

 44, 52.995,
133.364


 100, 52.995,
133.364

 34, 52.995,
133.364

 64, 52.995,
133.364


 24, 52.995,
133.364

 74, 52.995,
133.364

 14, 52.995,
133.364

 84, 52.995,
133.364

 4, 52.995, 133.364

 94, 52.995,
133.364

 0, 52.995, 133.364

 44, 52.995,

 44, 52.995,

133.364

133.364

■ 44, 58.348,
133.144

■ 45, 46.674,
133.794

■ 43, 62.428,
133.242

■ 45, 39.677,
134.330

■ 43, 65.321,
133.327

■ 46, 32.241,
134.900

■ 47, 24.544,
135.460

■ 47, 16.718,
135.986

■ 48, 8.861, 136.470

■ 49, 1.042, 137.005

■ 50, 6.687, 317.236

■ 52, 14.289,

Harmonies

Complementary

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



44, 52.995, 133.364



26, 54.773, 319.414

Rectangle

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



44, 52.995, 133.364



44, 52.995, 183.364



44, 52.995, 313.364



44, 52.995, 3.364

Sweetspot

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



44, 52.995, 133.365



61, 20.383, 135.977



42, 37.349, 87.233



31, 13.717, 135.869



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 52.995, 133.365



56, 74.090, 133.170



43, 48.626, 144.587



24, 4.376, 136.577



45, 67.210, 133.378



87, 114.863, 134.014

Inverse Universe

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



26, 54.773, 319.414



31, 76.309, 319.287



29, 47.483, 336.755



23, 4.406, 317.279



22, 68.978, 318.904



48, 117.224, 318.441

Previews

White Background



This preview shows how the CIELCh color 44, 52.995, 133.364 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 44, 52.995, 133.364 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 44, 52.995, 133.364

Background



This preview shows how black text looks on a background with the CIELCh color 44, 52.995, 133.364.



This preview shows how white text looks on a background with the CIELCh color 44, 52.995, 133.364.

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


44, 52.995, 133.364

Protanopia

44, 41.489, 95.951

Deuteranopia

44, 36.840, 80.568



Tritanopia
44, 14.589, 219.862

Trichromacy



Original Color
44, 52.995, 133.364

Protanomaly
43, 43.384, 113.553

Deuteranomaly
43, 37.852, 106.816

Tritanomaly
44, 24.211, 158.601

Monochromacy



Original Color
44, 52.995, 133.364

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 20.512, 135.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 52.995, 133.364 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(56, 118, 34)` looks like.

```
.text, #text, p{  
    color:rgb(56, 118, 34)  
}
```

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(56, 118, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 118, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 52.995, 133.364 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(56, 118, 34) }
```

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

```
.border{ border-color:rgb(56, 118, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 118, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 118, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 118, 34);  
box-shadow:4px 4px 4px 4px rgb(56, 118,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 52.995, 133.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 118, 34) }
```

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

```
.background{ background-color: rgb(56, 118,  
34) }
```

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