

Converting Colors

CIELCh(45, 52.583, 133.354)

Have a look what the booklet for
CIELCh(45, 52.583, 133.354)
contains.

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Color

CIELCh(45, 52.437, 133.355)

Conversions

Conversions Part 1

Format	Color
Hex	3B7825
RGB	59, 120, 37
RGB Percent	23%, 47%, 15%
CMY	0.7680, 0.5288, 0.8543
CMYK	0.51, 0.00, 0.69, 0.53
HSL	104°, 53%, 31%
HSV	104°, 69%, 47%
XYZ	8.8862, 14.5417, 4.1017
YIQ	92.2990, -9.7130, -38.7450

Conversions

Conversions Part 2

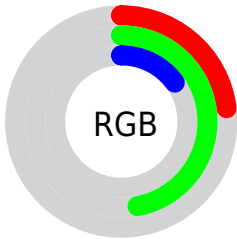
Format	Color
R_{YB}	37, 120, 98
Decimal	3897381
CIE _{Lab}	45.00, -36.00, 38.13
CIE _{LCh}	45, 52.437, 133.355
Yxy	14.5417, 0.3228, 0.5282
Android (android.graphics.Color)	4282087461 (0xFF3B7825)
YUV	92.2990, -27.2624, -29.2032
Hunter-Lab	38.1336, -25.1382, 20.3162

Details

The CIELCh color **45, 52.437, 133.355** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **28, 54.242, 319.284**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 52.602, 133.245**, and **25, 47.485, 136.239** is the 20% darker color. If you saturate the color by 10%, you get **45, 58.113, 133.088**, and if you desaturate by 10%, it is **46, 45.843, 133.810**.

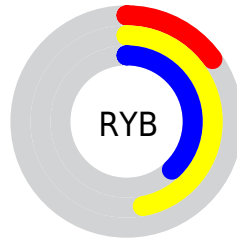
Distribution



Red (23%)

Green (47%)

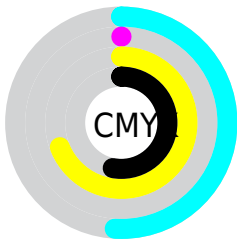
Blue (15%)



Red (15%)

Yellow (47%)

Blue (38%)

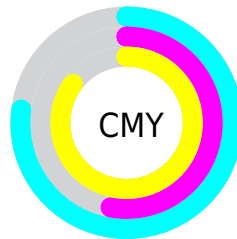


Cyan (51%)

Magenta (0%)

Yellow (69%)

Black (53%)



Cyan (77%)


Magenta (53%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 52.437, 133.355 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, 52.437, 133.355 by changing the saturation by 10% instead.


 45, 52.437,
133.355


 45, 52.437,
133.355


 100, 52.437,
133.355


 35, 52.437,
133.355

 65, 52.437,
133.355


 25, 52.437,
133.355

 75, 52.437,
133.355

 15, 52.437,
133.355


 85, 52.437,
133.355

 5, 52.437, 133.355

 95, 52.437,
133.355

 0, 52.437, 133.355

 45, 52.437,

 45, 52.437,

133.355

■ 45, 58.113,
133.088

■ 44, 62.557,
133.120

■ 44, 65.951,
133.299

■ 44, 66.260,
133.294

133.355

■ 46, 45.843,
133.810

■ 46, 38.619,
134.355

■ 47, 30.993,
134.923

■ 48, 23.135,
135.476

■ 49, 15.171,
135.992

■ 50, 7.192, 136.466

■ 51, 0.735, 316.683

■ 52, 8.561, 317.211

■ 53, 16.253,

Harmonies

Complementary

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



45, 52.437, 133.355



28, 54.242, 319.284

Rectangle

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



45, 52.437, 133.355



45, 52.437, 183.355



45, 52.437, 313.355



45, 52.437, 3.355

Sweetspot

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



45, 52.437, 133.356



62, 20.639, 135.870



43, 36.895, 87.526



32, 14.081, 135.758



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, 52.437, 133.356



57, 73.466, 133.064



44, 48.142, 144.904



25, 4.531, 136.466



46, 68.186, 133.345



88, 115.680, 133.967

Inverse Universe

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



28, 54.242, 319.284



32, 75.831, 319.245



30, 47.200, 336.572



24, 4.562, 317.174



23, 70.053, 318.774



49, 118.205, 318.320

Previews

White Background



This preview shows how the CIELCh color 45, 52.437, 133.355 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, 52.437, 133.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

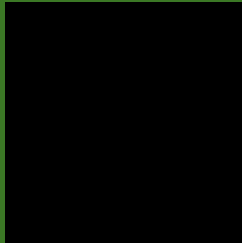
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 52.437, 133.355

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.437, 133.355.



This preview shows how white text looks on a background with the CIELCh color 45, 52.437, 133.355.

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, 52.437, 133.355

Protanopia
45, 41.154, 95.373

Deuteranopia
45, 36.708, 80.779



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 52.437, 133.355

Protanomaly
44, 42.464, 113.258

Deuteranomaly
44, 37.307, 106.279

Tritanomaly
45, 23.213, 158.834

Monochromacy



Original Color
45, 52.437, 133.355

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 20.442, 135.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.437, 133.355 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, 120, 37)` looks like.

```
.text, #text, p{  
    color:rgb(59, 120, 37)  
}
```

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, 120, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 120, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.437, 133.355 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, 120, 37) }
```

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

```
.border{ border-color:rgb(59, 120, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 120, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 120, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 120, 37);  
box-shadow:4px 4px 4px 4px rgb(59, 120,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.437, 133.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 120, 37) }
```

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

```
.background{ background-color: rgb(59, 120,  
37) }
```

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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