

Converting Colors

CIELCh(45, 54.239, 132.445)

Have a look what the booklet for
CIELCh(45, 54.239, 132.445)
contains.

CIELCh(45, 53.930, 132.398)	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, 53.930, 132.398)

Conversions

Conversions Part 1

Format	Color
Hex	3B7821
RGB	59, 120, 33
RGB Percent	23%, 47%, 13%
CMY	0.7676, 0.5284, 0.8696
CMYK	0.51, 0.00, 0.72, 0.53
HSL	102°, 57%, 30%
HSV	102°, 72%, 47%
XYZ	8.8434, 14.5417, 3.7978
YIQ	91.8430, -8.4290, -39.9890

Conversions

Conversions Part 2

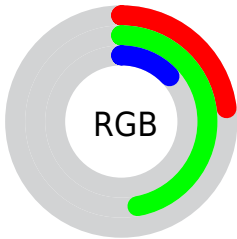
Format	Color
RYB	33, 120, 94
Decimal	3897377
CIELab	45.00, -36.36, 39.83
CIELCh	45, 53.930, 132.398
Yxy	14.5417, 0.3253, 0.5350
Android (android.graphics.Color)	4282087457 (0xFF3B7821)
YUV	91.8430, -29.0096, -28.8033
Hunter-Lab	38.1336, -25.3385, 20.7887

Details

The CIELCh color **45, 53.930, 132.398** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **26, 56.305, 318.278**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 53.913, 132.477**, and **25, 47.485, 136.239** is the 20% darker color. If you saturate the color by 10%, you get **45, 59.221, 132.288**, and if you desaturate by 10%, it is **46, 47.639, 132.745**.

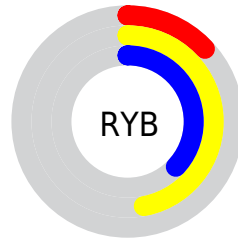
Distribution



Red (23%)

Green (47%)

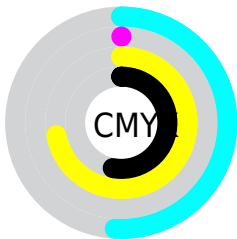
Blue (13%)



Red (13%)

Yellow (47%)

Blue (37%)

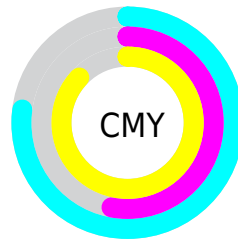


Cyan (51%)

Magenta (0%)

Yellow (72%)

Black (53%)



Cyan (77%)


Magenta (53%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 53.930, 132.398 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, 53.930, 132.398 by changing the saturation by 10% instead.


 45, 53.930,
132.398


 45, 53.930,
132.398


 100, 53.930,
132.398


 35, 53.930,
132.398

 65, 53.930,
132.398


 25, 53.930,
132.398

 75, 53.930,
132.398

 15, 53.930,
132.398

 85, 53.930,
132.398

 5, 53.930, 132.398

 95, 53.930,
132.398

 0, 53.930, 132.398

 45, 53.930,

 45, 53.930,

132.398

132.398

■ 45, 59.221,
132.288

■ 46, 47.639,
132.745

■ 44, 63.216,
132.522

■ 46, 40.647,
133.221

■ 44, 65.800,
132.681

■ 47, 33.199,
133.751

■ 48, 25.477,
134.284

■ 48, 17.615,
134.793

■ 49, 9.710, 135.266

■ 50, 1.834, 135.743

■ 51, 5.962, 316.029

■ 53, 13.643,

Harmonies

Complementary

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



45, 53.930, 132.398



26, 56.305, 318.278

Rectangle

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



45, 53.930, 132.398



45, 53.930, 182.398



45, 53.930, 312.398



45, 53.930, 2.398

Sweetspot

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



45, 53.930, 132.399



62, 21.407, 134.784



41, 37.743, 84.409



32, 14.497, 134.679



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, 53.930, 132.399



57, 74.821, 132.404



44, 51.236, 143.358



25, 4.487, 135.414



46, 67.679, 132.734



88, 114.874, 133.410

Inverse Universe

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



26, 56.305, 318.278



31, 78.039, 318.099



30, 49.812, 335.318



24, 4.521, 316.111



22, 70.457, 317.708



47, 118.943, 317.215

Previews

White Background



This preview shows how the CIELCh color 45, 53.930, 132.398 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, 53.930, 132.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

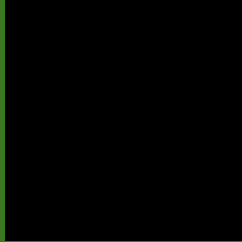
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 53.930, 132.398

Background



This preview shows how black text looks on a background with the CIELCh color 45, 53.930, 132.398.



This preview shows how white text looks on a background with the CIELCh color 45, 53.930, 132.398.

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, 53.930, 132.398

Protanopia
45, 42.428, 95.438

Deuteranopia
45, 38.132, 81.430



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 53.930, 132.398

Protanomaly
44, 44.145, 112.715

Deuteranomaly
44, 39.211, 105.945

Tritanomaly
45, 24.047, 156.727

Monochromacy



Original Color
45, 53.930, 132.398

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 20.970, 134.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 53.930, 132.398 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(59, 120, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 120, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 53.930, 132.398 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, 33) }
```

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

```
.border{ border-color:rgb(59, 120, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 120, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 120, 33);  
box-shadow:4px 4px 4px 4px rgb(59, 120,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 53.930, 132.398 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, 33) }
```

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

```
.background{ background-color: rgb(59, 120,  
33) }
```

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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