

Converting Colors

CIELCh(45, 23.037, 138.789)

Have a look what the booklet for
CIELCh(45, 23.037, 138.789)
contains.

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Color

CIELCh(45, 22.853, 138.726)

Conversions

Conversions Part 1

Format	Color
Hex	567251
RGB	86, 114, 81
RGB Percent	34%, 45%, 32%
CMY	0.6636, 0.5538, 0.6832
CMYK	0.25, 0.00, 0.29, 0.55
HSL	111°, 17%, 38%
HSV	111°, 29%, 45%
XYZ	11.2860, 14.5417, 9.9541
YIQ	101.8660, -6.0950, -16.1990

Conversions

Conversions Part 2

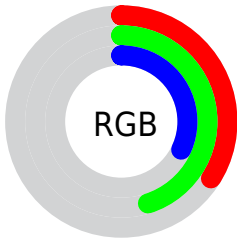
Format	Color
R_{YB}	81, 114, 109
Decimal	5665361
CIE _{Lab}	45.00, -17.18, 15.08
CIE _{LCh}	45, 22.853, 138.726
Yxy	14.5417, 0.3154, 0.4064
Android (android.graphics.Color)	4283855441 (0xFF567251)
YUV	101.8660, -10.2869, -13.9145
Hunter-Lab	38.1336, -13.9052, 11.2168

Details

The CIELCh color **45, 22.853, 138.726** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **38, 23.063, 321.507**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 23.172, 138.697**, and **25, 23.067, 139.128** is the 20% darker color. If you saturate the color by 10%, you get **44, 30.637, 138.068**, and if you desaturate by 10%, it is **46, 14.958, 139.321**.

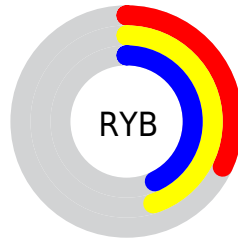
Distribution



Red (34%)

Green (45%)

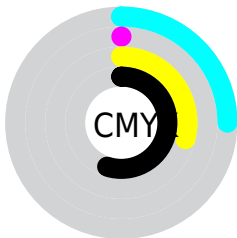
Blue (32%)



Red (32%)

Yellow (45%)

Blue (43%)

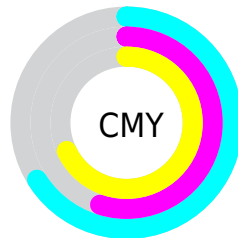


Cyan (25%)

Magenta (0%)

Yellow (29%)

Black (55%)



Cyan (66%)

Magenta (55%)

Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 22.853, 138.726 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, 22.853, 138.726 by changing the saturation by 10% instead.

 45, 22.853,
138.726


 45, 22.853,
138.726


 100, 22.853,
138.726

 35, 22.853,
138.726

 65, 22.853,
138.726

 25, 22.853,
138.726

 75, 22.853,
138.726

 15, 22.853,
138.726

 85, 22.853,
138.726

 5, 22.853, 138.726

 95, 22.853,
138.726

 0, 22.853, 138.726

 45, 22.853,

 45, 22.853,

138.726

■ 44, 30.637,
138.068

■ 43, 38.169,
137.360

■ 43, 45.271,
136.633

■ 42, 51.711,
135.949

■ 42, 57.203,
135.397

■ 42, 61.444,
135.090

■ 41, 64.644,
134.851

■ 41, 64.958,
134.800

138.726

■ 46, 14.958,
139.321

■ 47, 7.052, 139.853

■ 48, 0.789, 320.102

■ 49, 8.511, 320.663

■ 51, 16.077,
321.009

■ 52, 23.461,
321.302

■ 53, 30.652,
321.552

■ 55, 37.642,
321.765

■ 56, 44.431,

Harmonies

Complementary

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



45, 22.853, 138.726



38, 23.063, 321.507

Rectangle

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



45, 22.853, 138.726



45, 22.853, 188.726



45, 22.853, 318.726



45, 22.853, 8.726

Sweetspot

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



45, 22.854, 138.727



60, 8.750, 139.841



46, 16.396, 99.224



31, 6.045, 139.782



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 22.854, 138.727



57, 34.145, 138.278



45, 18.846, 153.428



23, 4.359, 139.854



44, 67.462, 134.850



86, 115.897, 135.293

Inverse Universe

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



38, 23.063, 321.507



47, 34.510, 321.800



39, 19.091, 337.719



22, 4.378, 320.615



24, 66.899, 322.650



52, 114.370, 322.345

Previews

White Background



This preview shows how the CIELCh color 45, 22.853, 138.726 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, 22.853, 138.726 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, 22.853, 138.726

Background



This preview shows how black text looks on a background with the CIELCh color 45, 22.853, 138.726.



This preview shows how white text looks on a background with the CIELCh color 45, 22.853, 138.726.

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

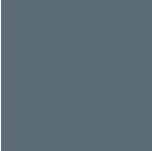
45, 22.853, 138.726

Protanopia

45, 17.537, 95.756

Deuteranopia

45, 15.186, 67.625



Tritanopia
45, 8.265, 239.570

Trichromacy



Original Color
45, 22.853, 138.726

Protanomaly
45, 18.385, 114.529

Deuteranomaly
45, 14.331, 100.980

Tritanomaly
45, 9.437, 172.030

Monochromacy



Original Color
45, 22.853, 138.726

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 8.344, 139.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 22.853, 138.726 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(86, 114, 81)` looks like.

```
.text, #text, p{  
    color:rgb(86, 114, 81)  
}
```

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(86, 114, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 114, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 22.853, 138.726 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(86, 114, 81) }
```

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

```
.border{ border-color:rgb(86, 114, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 114, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 114, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 114, 81);  
box-shadow:4px 4px 4px 4px rgb(86, 114,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 22.853, 138.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 114, 81) }
```

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

```
.background{ background-color: rgb(86, 114,  
81) }
```

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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