

Converting Colors

CIELCh(45, 23.658, 121.505)

Have a look what the booklet for
CIELCh(45, 23.658, 121.505)
contains.

CIELCh(45, 23.552, 121.212)	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, 23.552, 121.212)

Conversions

Conversions Part 1

Format	Color
Hex	626F48
RGB	98, 111, 72
RGB Percent	38%, 44%, 28%
CMY	0.6142, 0.5632, 0.7162
CMYK	0.12, 0.00, 0.35, 0.56
HSL	80°, 21%, 36%
HSV	80°, 35%, 44%
XYZ	11.9847, 14.5417, 8.3672
YIQ	102.6670, 4.7710, -14.8850

Conversions

Conversions Part 2

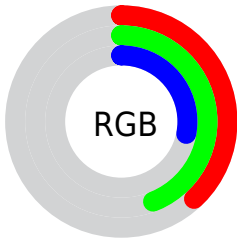
Format	Color
R_{YB}	72, 111, 85
Decimal	6451016
CIE _{Lab}	45.00, -12.20, 20.14
CIE _{LCh}	45, 23.552, 121.212
Yxy	14.5417, 0.3435, 0.4167
Android (android.graphics.Color)	4284641096 (0xFF626F48)
YUV	102.6670, -15.1188, -4.0930
Hunter-Lab	38.1336, -10.6344, 13.6843

Details

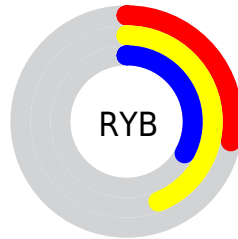
The CIELCh color $45, 23.552, 121.212$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 25.122, 305.203$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.760, 121.655$, and $25, 23.536, 120.379$ is the 20% darker color. If you saturate the color by 10%, you get $45, 30.027, 120.714$, and if you desaturate by 10%, it is $46, 16.911, 121.742$.

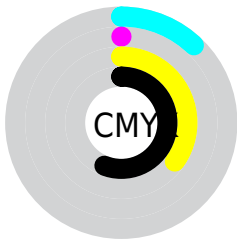
Distribution



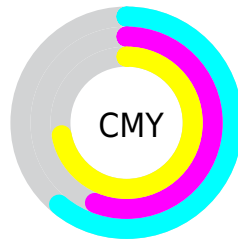
- Red (38%)
- Green (44%)
- Blue (28%)



- Red (28%)
- Yellow (44%)
- Blue (33%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (56%)





- Cyan (61%)
- Magenta (56%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.552, 121.212 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, 23.552, 121.212 by changing the saturation by 10% instead.


 45, 23.552,
121.212


 45, 23.552,
121.212


 100, 23.552,
121.212


 35, 23.552,
121.212

 65, 23.552,
121.212


 25, 23.552,
121.212

 75, 23.552,
121.212

 15, 23.552,
121.212

 85, 23.552,
121.212

 5, 23.552, 121.212

 95, 23.552,
121.212

 0, 23.552, 121.212

 45, 23.552,

 45, 23.552,

121.212

121.212

■ 45, 30.027,
120.714

■ 46, 16.911,
121.742

■ 44, 36.221,
120.281

■ 46, 10.178,
122.276

■ 44, 41.972,
119.967

■ 47, 3.406, 122.803

■ 43, 47.061,
119.850

■ 47, 3.366, 303.279

■ 43, 51.219,
120.025

■ 48, 10.111,
303.758

■ 43, 54.322,
120.534

■ 49, 16.810,
304.201

■ 43, 55.821,
120.760

■ 49, 23.448,
304.612

■ 50, 30.014,
304.993

■ 51, 36.500,
305.343

Harmonies

Complementary

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



45, 23.552, 121.212



34, 25.122, 305.203

Rectangle

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



45, 23.552, 121.212



45, 23.552, 171.212



45, 23.552, 301.212



45, 23.552, 351.212

Sweetspot

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



45, 23.553, 121.214



59, 9.263, 122.473



38, 14.672, 51.434



31, 6.272, 122.420



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, 23.553, 121.214



57, 34.898, 120.806



44, 26.830, 137.484



23, 3.830, 122.594



46, 58.864, 120.879



89, 101.116, 121.725

Inverse Universe

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



34, 25.122, 305.203



40, 37.889, 305.813



36, 27.188, 320.787



21, 3.894, 303.516



14, 73.525, 309.157



35, 126.426, 308.612

Previews

White Background



This preview shows how the CIELCh color 45, 23.552, 121.212 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, 23.552, 121.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

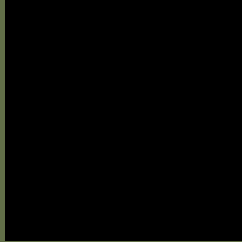
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 23.552, 121.212

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.552, 121.212.



This preview shows how white text looks on a background with the CIELCh color 45, 23.552, 121.212.

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, 23.552, 121.212

Protanopia

45, 21.625, 96.023

Deuteranopia

45, 20.476, 73.268



Tritanopia
45, 5.418, 282.559

Trichromacy



Original Color
45, 23.552, 121.212

Protanomaly
45, 21.715, 105.855

Deuteranomaly
45, 19.747, 91.194

Tritanomaly
45, 5.930, 134.357

Monochromacy



Original Color
45, 23.552, 121.212

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 8.620, 123.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.552, 121.212 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(98, 111, 72)` looks like.

```
.text, #text, p{  
    color:rgb(98, 111, 72)  
}
```

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(98, 111, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 111, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.552, 121.212 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(98, 111, 72) }
```

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

```
.border{ border-color:rgb(98, 111, 72) }
```

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

Here you see how a box with a 4 pixel rgb(98, 111, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 111, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 111, 72);  
box-shadow:4px 4px 4px 4px rgb(98, 111,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.552, 121.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 111, 72) }
```

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

```
.background{ background-color: rgb(98, 111,  
72) }
```

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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