

Converting Colors

CIELCh(45, 23.817, 128.804)

Have a look what the booklet for
CIELCh(45, 23.817, 128.804)
contains.

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Color

CIELCh(45, 23.938, 128.512)

Conversions

Conversions Part 1

Format	Color
Hex	5D714B
RGB	93, 113, 75
RGB Percent	36%, 44%, 29%
CMY	0.6367, 0.5583, 0.7072
CMYK	0.18, 0.00, 0.34, 0.56
HSL	92°, 20%, 37%
HSV	92°, 34%, 44%
XYZ	11.6016, 14.5417, 8.7910
YIQ	102.6880, 0.2780, -16.0580

Conversions

Conversions Part 2

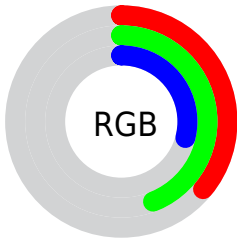
Format	Color
RYB	75, 113, 95
Decimal	6123851
CIELab	45.00, -14.91, 18.73
CIELCh	45, 23.938, 128.512
Yxy	14.5417, 0.3321, 0.4163
Android (android.graphics.Color)	4284313931 (0xFF5D714B)
YUV	102.6880, -13.6502, -8.4964
Hunter-Lab	38.1336, -12.4279, 13.0254

Details

The CIELCh color $45, 23.938, 128.512$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 24.969, 311.504$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 24.080, 128.379$, and $25, 24.072, 128.370$ is the 20% darker color. If you saturate the color by 10%, you get $44, 30.856, 128.061$, and if you desaturate by 10%, it is $46, 16.881, 128.975$.

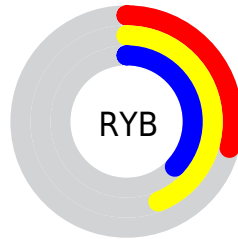
Distribution



Red (36%)

Green (44%)

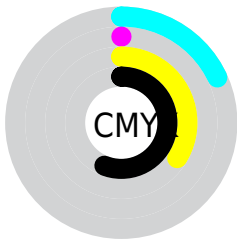
Blue (29%)



Red (29%)

Yellow (44%)

Blue (37%)

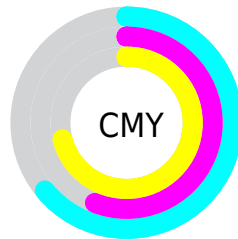


Cyan (18%)

Magenta (0%)

Yellow (34%)

Black (56%)



Cyan (64%)


Magenta (56%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.938, 128.512 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, 23.938, 128.512 by changing the saturation by 10% instead.


 45, 23.938,
128.512


 45, 23.938,
128.512


 100, 23.938,
128.512


 35, 23.938,
128.512

 65, 23.938,
128.512


 25, 23.938,
128.512

 75, 23.938,
128.512

 15, 23.938,
128.512

 85, 23.938,
128.512

 5, 23.938, 128.512

 95, 23.938,
128.512

 0, 23.938, 128.512

 45, 23.938,

 45, 23.938,

128.512

■ 44, 30.856,
128.061

■ 44, 37.517,
127.653

■ 43, 43.763,
127.344

■ 43, 49.376,
127.214

■ 43, 54.086,
127.367

■ 42, 57.681,
127.885

■ 42, 59.786,
128.166

128.512

■ 46, 16.881,
128.975

■ 46, 9.760, 129.425

■ 47, 2.635, 129.870

■ 48, 4.453, 310.210

■ 49, 11.475,
310.579

■ 50, 18.409,
310.905

■ 51, 25.241,
311.197

■ 52, 31.961,
311.458

■ 53, 38.561,

Harmonies

Complementary

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



45, 23.938, 128.512



35, 24.969, 311.504

Rectangle

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



45, 23.938, 128.512



45, 23.938, 178.512



45, 23.938, 308.512



45, 23.938, 358.512

Sweetspot

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



45, 23.939, 128.513



59, 8.762, 129.577



41, 14.650, 73.156



31, 6.026, 129.530



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, 23.939, 128.513



57, 34.863, 128.181



44, 27.324, 142.605



23, 3.984, 129.632



45, 62.561, 128.276



87, 107.828, 129.186

Inverse Universe

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



35, 24.969, 311.504



42, 36.733, 311.863



37, 27.313, 326.630



22, 4.032, 310.346



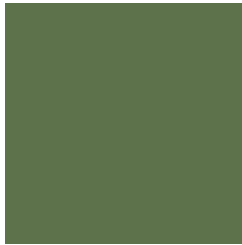
18, 70.726, 312.942



40, 121.469, 312.311

Previews

White Background



This preview shows how the CIE LCh color 45, 23.938, 128.512 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, 23.938, 128.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

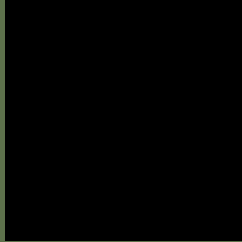
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

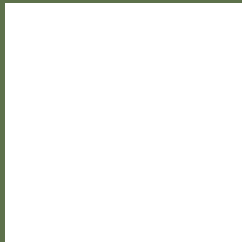
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 23.938, 128.512

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.938, 128.512.



This preview shows how white text looks on a background with the CIELCh color 45, 23.938, 128.512.

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, 23.938, 128.512

Protanopia
45, 20.490, 95.625

Deuteranopia
45, 18.692, 71.811



Tritanopia
45, 6.144, 260.489

Trichromacy



Original Color
45, 23.938, 128.512

Protanomaly
45, 20.571, 108.486

Deuteranomaly
45, 18.110, 96.024

Tritanomaly
45, 6.899, 154.941

Monochromacy



Original Color
45, 23.938, 128.512

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 8.881, 128.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.938, 128.512 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(93, 113, 75)` looks like.

```
.text, #text, p{  
    color:rgb(93, 113, 75)  
}
```

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(93, 113, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 113, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.938, 128.512 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(93, 113, 75) }
```

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

```
.border{ border-color:rgb(93, 113, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 113, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 113, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 113, 75);  
box-shadow:4px 4px 4px 4px rgb(93, 113,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.938, 128.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 113, 75) }
```

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

```
.background{ background-color: rgb(93, 113,  
75) }
```

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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