

Converting Colors

CIELCh(45, 23.377, 160.671)

Have a look what the booklet for
CIELCh(45, 23.377, 160.671)
contains.

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Color

CIELCh(45, 23.317, 160.872)

Conversions

Conversions Part 1

Format	Color
Hex	44745D
RGB	68, 116, 93
RGB Percent	27%, 45%, 36%
CMY	0.7329, 0.5446, 0.6349
CMYK	0.41, 0.00, 0.20, 0.54
HSL	151°, 26%, 36%
HSV	151°, 41%, 46%
XYZ	10.6303, 14.5417, 12.6273
YIQ	99.0260, -21.2250, -17.3290

Conversions

Conversions Part 2

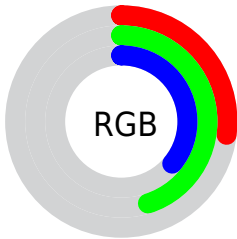
Format	Color
RYB	68, 100, 116
Decimal	4486237
CIELab	45.00, -22.03, 7.64
CIELCh	45, 23.317, 160.872
Yxy	14.5417, 0.2812, 0.3847
Android (android.graphics.Color)	4282676317 (0xFF44745D)
YUV	99.0260, -2.9708, -27.2098
Hunter-Lab	38.1336, -16.9742, 7.0606

Details

The CIELCh color $45, 23.317, 160.872$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $35, 24.568, 348.785$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.346, 160.944$, and $25, 22.996, 160.956$ is the 20% darker color. If you saturate the color by 10%, you get $44, 28.499, 159.624$, and if you desaturate by 10%, it is $46, 17.871, 161.984$.

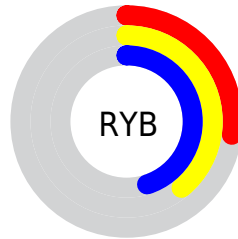
Distribution



Red (27%)

Green (45%)

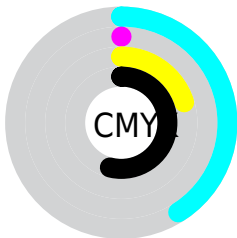
Blue (36%)



Red (27%)

Yellow (39%)

Blue (45%)

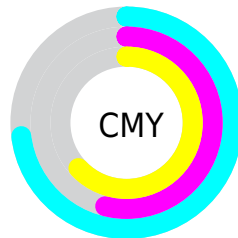


Cyan (41%)

Magenta (0%)

Yellow (20%)

Black (54%)



Cyan (73%)


Magenta (54%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.317, 160.872 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, 23.317, 160.872 by changing the saturation by 10% instead.


 45, 23.317,
160.872


 45, 23.317,
160.872


 100, 23.317,
160.872


 35, 23.317,
160.872

 65, 23.317,
160.872


 25, 23.317,
160.872

 75, 23.317,
160.872

 15, 23.317,
160.872

 85, 23.317,
160.872

 5, 23.317, 160.872

 95, 23.317,
160.872

 0, 23.317, 160.872

 45, 23.317,

 45, 23.317,

160.872

160.872

■ 44, 28.499,
159.624

■ 46, 17.871,
161.984

■ 44, 33.327,
158.221

■ 47, 12.245,
162.986

■ 43, 37.723,
156.642

■ 48, 6.521, 163.904

■ 43, 41.631,
154.873

■ 49, 0.767, 165.039

■ 50, 4.961, 345.369

■ 43, 45.026,
152.910

■ 51, 10.619,
346.089

■ 43, 47.747,
151.242

■ 53, 16.177,
346.739

■ 54, 21.611,
347.342

■ 55, 26.908,

Harmonies

Complementary

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



45, 23.317, 160.872



35, 24.568, 348.785

Rectangle

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



45, 23.317, 160.872



45, 23.317, 210.872



45, 23.317, 340.872



45, 23.317, 30.872

Sweetspot

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



45, 23.318, 160.871



61, 8.530, 163.818



46, 29.888, 127.816



31, 5.702, 163.732



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 23.318, 160.871



57, 34.321, 159.635



45, 16.742, 199.221



24, 3.262, 164.109



45, 49.721, 151.102



87, 86.629, 149.743

Inverse Universe

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



35, 24.568, 348.785



42, 36.467, 350.125



35, 22.178, 24.345



23, 3.305, 345.460



25, 49.207, 2.254



54, 83.183, 4.922

Previews

White Background



This preview shows how the CIELCh color 45, 23.317, 160.872 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, 23.317, 160.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

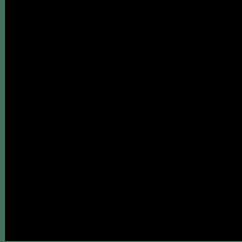
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 23.317, 160.872

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.317, 160.872.



This preview shows how white text looks on a background with the CIELCh color 45, 23.317, 160.872.

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, 23.317, 160.872

Protanopia
45, 11.002, 94.788

Deuteranopia
45, 8.597, 44.635



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 23.317, 160.872

Protanomaly
45, 13.305, 134.970

Deuteranomaly
44, 7.597, 128.610

Tritanomaly
45, 15.162, 193.142

Monochromacy



Original Color
45, 23.317, 160.872

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.511, 163.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.317, 160.872 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(68, 116, 93)` looks like.

```
.text, #text, p{  
    color:rgb(68, 116, 93)  
}
```

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(68, 116, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 116, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.317, 160.872 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(68, 116, 93) }
```

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

```
.border{ border-color:rgb(68, 116, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 116, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 116, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 116, 93);  
box-shadow:4px 4px 4px 4px rgb(68, 116,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.317, 160.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 116, 93) }
```

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

```
.background{ background-color: rgb(68, 116,  
93) }
```

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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