

Converting Colors

CIELCh(45, 23.172, 112.039)

Have a look what the booklet for
CIELCh(45, 23.172, 112.039)
contains.

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Color

CIELCh(45, 23.477, 112.405)

Conversions

Conversions Part 1

Format	Color
Hex	696E46
RGB	105, 110, 70
RGB Percent	41%, 43%, 27%
CMY	0.5890, 0.5694, 0.7262
CMYK	0.05, 0.00, 0.36, 0.57
HSL	68°, 22%, 35%
HSV	68°, 36%, 43%
XYZ	12.4578, 14.5417, 7.9145
YIQ	103.9450, 9.8600, -13.5000

Conversions

Conversions Part 2

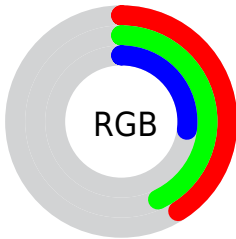
Format	Color
RYB	70, 110, 75
Decimal	6909510
CIELab	45.00, -8.95, 21.70
CIElCh	45, 23.477, 112.405
Yxy	14.5417, 0.3568, 0.4165
Android (android.graphics.Color)	4285099590 (0xFF696E46)
YUV	103.9450, -16.7349, 0.9252
Hunter-Lab	38.1336, -8.4200, 14.3881

Details

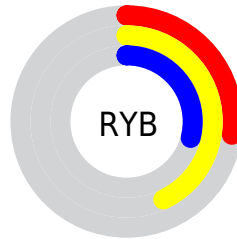
The CIELCh color $45, 23.477, 112.405$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $32, 25.513, 298.532$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.657, 112.679$, and $25, 24.019, 112.623$ is the 20% darker color. If you saturate the color by 10%, you get $45, 29.616, 111.708$, and if you desaturate by 10%, it is $45, 17.145, 113.141$.

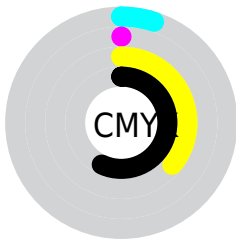
Distribution



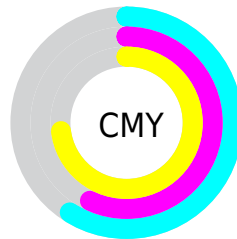
- Red (41%)
- Green (43%)
- Blue (27%)



- Red (27%)
- Yellow (43%)
- Blue (29%)



- Cyan (5%)
- Magenta (0%)
- Yellow (36%)
- Black (57%)




- Cyan (59%)
- Magenta (57%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.477, 112.405 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, 23.477, 112.405 by changing the saturation by 10% instead.


 45, 23.477,
112.405


 45, 23.477,
112.405


 100, 23.477,
112.405


 35, 23.477,
112.405

 65, 23.477,
112.405


 25, 23.477,
112.405

 75, 23.477,
112.405

 15, 23.477,
112.405

 85, 23.477,
112.405

 5, 23.477, 112.405

 95, 23.477,
112.405

 0, 23.477, 112.405

 45, 23.477,

 45, 23.477,

112.405

■ 45, 29.616,
111.708

■ 44, 35.441,
111.071

■ 44, 40.781,
110.540

■ 44, 45.403,
110.170

■ 44, 49.030,
110.023

■ 44, 51.667,
110.095

■ 44, 52.617,
110.111

112.405

■ 45, 17.145,
113.141

■ 46, 10.697,
113.884

■ 46, 4.187, 114.622

■ 47, 2.348, 295.351

■ 47, 8.884, 296.046

■ 47, 15.401,
296.714

■ 48, 21.886,
297.351

■ 49, 28.330,
297.953

■ 49, 34.723,

Harmonies

Complementary

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



45, 23.477, 112.405



32, 25.513, 298.532

Rectangle

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



45, 23.477, 112.405



45, 23.477, 162.405



45, 23.477, 292.405



45, 23.477, 342.405

Sweetspot

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



45, 23.478, 112.408



59, 8.899, 114.264



35, 16.850, 31.609



30, 5.937, 114.193



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 23.478, 112.408



57, 34.876, 111.791



43, 25.932, 131.440



23, 3.734, 114.431



47, 56.012, 110.178



92, 95.767, 110.582

Inverse Universe

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



32, 25.513, 298.532



37, 38.867, 299.638



34, 26.858, 314.551



21, 3.809, 295.786



12, 75.780, 306.936



32, 129.978, 306.660

Previews

White Background



This preview shows how the CIELCh color 45, 23.477, 112.405 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, 23.477, 112.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

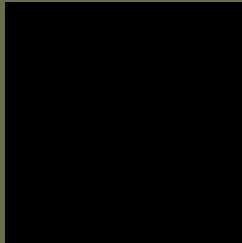
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 23.477, 112.405

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.477, 112.405.



This preview shows how white text looks on a background with the CIELCh color 45, 23.477, 112.405.

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, 23.477, 112.405

Protanopia

45, 22.853, 95.214

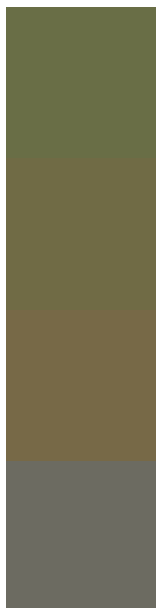
Deuteranopia

45, 21.489, 74.751



Tritanopia
45, 5.210, 313.569

Trichromacy



Original Color
45, 23.477, 112.405

Protanomaly
45, 22.437, 101.061

Deuteranomaly
45, 21.156, 89.418

Tritanomaly
45, 5.949, 105.239

Monochromacy



Original Color
45, 23.477, 112.405

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 8.377, 114.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.477, 112.405 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(105, 110, 70)` looks like.

```
.text, #text, p{  
    color:rgb(105, 110, 70)  
}
```

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(105, 110, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 110, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.477, 112.405 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(105, 110, 70) }
```

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

```
.border{ border-color:rgb(105, 110, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 110, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 110, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 110, 70);  
box-shadow:4px 4px 4px 4px rgb(105, 110,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.477, 112.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 110, 70) }
```

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

```
.background{ background-color: rgb(105,  
110, 70) }
```

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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