

Converting Colors

CIELCh(45, 23.021, 125.339)

Have a look what the booklet for
CIELCh(45, 23.021, 125.339)
contains.

CIELCh(45, 22.812, 125.140)	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, 22.812, 125.140)

Conversions

Conversions Part 1

Format	Color
Hex	60704B
RGB	96, 112, 75
RGB Percent	38%, 44%, 29%
CMY	0.6241, 0.5613, 0.7064
CMYK	0.14, 0.00, 0.33, 0.56
HSL	86°, 20%, 37%
HSV	86°, 33%, 44%
XYZ	11.8525, 14.5417, 8.8143
YIQ	102.9980, 2.3410, -14.8990

Conversions

Conversions Part 2

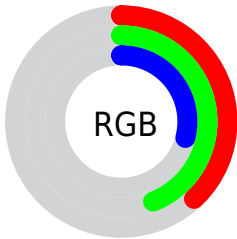
Format	Color
RYB	75, 112, 91
Decimal	6320203
CIELab	45.00, -13.13, 18.65
CIElCh	45, 22.812, 125.140
Yxy	14.5417, 0.3366, 0.4130
Android (android.graphics.Color)	4284510283 (0xFF60704B)
YUV	102.9980, -13.8030, -6.1372
Hunter-Lab	38.1336, -11.2532, 12.9890

Details

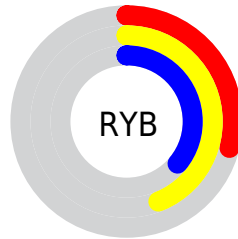
The CIELCh color $45, 22.812, 125.140$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 24.005, 308.366$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 23.040, 125.235$, and $25, 22.837, 124.753$ is the 20% darker color. If you saturate the color by 10%, you get $44, 29.519, 124.680$, and if you desaturate by 10%, it is $46, 15.966, 125.620$.

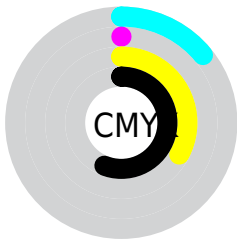
Distribution



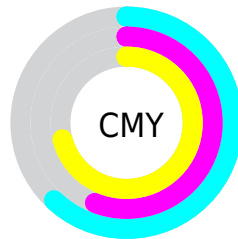
- Red (38%)
- Green (44%)
- Blue (29%)



- Red (29%)
- Yellow (44%)
- Blue (36%)



- Cyan (14%)
- Magenta (0%)
- Yellow (33%)
- Black (56%)




- Cyan (62%)
- Magenta (56%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 22.812, 125.140 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, 22.812, 125.140 by changing the saturation by 10% instead.

 45, 22.812,
125.140


 45, 22.812,
125.140


 100, 22.812,
125.140


 35, 22.812,
125.140

 65, 22.812,
125.140


 25, 22.812,
125.140


 75, 22.812,
125.140

 15, 22.812,
125.140

 85, 22.812,
125.140

 5, 22.812, 125.140

 95, 22.812,
125.140

 0, 22.812, 125.140

 45, 22.812,

 45, 22.812,

125.140

■ 44, 29.519,
124.680

■ 44, 35.976,
124.271

■ 43, 42.034,
123.966

■ 43, 47.483,
123.843

■ 43, 52.059,
124.002

■ 42, 55.533,
124.533

■ 42, 57.749,
124.890

125.140

■ 46, 15.966,
125.620

■ 46, 9.051, 126.096

■ 47, 2.120, 126.572

■ 48, 4.790, 306.956

■ 48, 11.650,
307.361

■ 49, 18.443,
307.729

■ 50, 25.153,
308.064

■ 51, 31.771,
308.369

■ 52, 38.290,

Harmonies

Complementary

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



45, 22.812, 125.140



35, 24.005, 308.366

Rectangle

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



45, 22.812, 125.140



45, 22.812, 175.140



45, 22.812, 305.140



45, 22.812, 355.140

Sweetspot

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



45, 22.813, 125.142



59, 8.580, 126.227



40, 13.776, 62.586



31, 5.900, 126.176



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, 22.813, 125.142



57, 34.035, 124.771



44, 26.248, 140.227



23, 3.901, 126.286



45, 60.726, 125.013



88, 104.535, 125.933

Inverse Universe

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



35, 24.005, 308.366



42, 36.323, 308.840



37, 26.377, 323.713



21, 3.958, 307.077



16, 72.113, 310.890



38, 123.966, 310.275

Previews

White Background



This preview shows how the CIELCh color 45, 22.812, 125.140 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, 22.812, 125.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

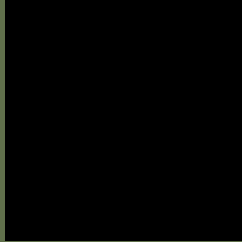
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 22.812, 125.140

Background



This preview shows how black text looks on a background with the CIELCh color 45, 22.812, 125.140.



This preview shows how white text looks on a background with the CIELCh color 45, 22.812, 125.140.

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, 22.812, 125.140

Protanopia

45, 19.922, 95.401

Deuteranopia

45, 18.692, 71.811



Tritanopia
45, 5.124, 268.283

Trichromacy



Original Color
45, 22.812, 125.140

Protanomaly
45, 19.990, 107.309

Deuteranomaly
45, 18.213, 94.613

Tritanomaly
45, 6.556, 144.014

Monochromacy



Original Color
45, 22.812, 125.140

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 8.174, 127.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 22.812, 125.140 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(96, 112, 75)` looks like.

```
.text, #text, p{  
    color:rgb(96, 112, 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(96, 112, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 112, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 22.812, 125.140 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(96, 112, 75) }
```

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

```
.border{ border-color:rgb(96, 112, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 112, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 112, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 112, 75);  
box-shadow:4px 4px 4px 4px rgb(96, 112,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 22.812, 125.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 112, 75) }
```

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

```
.background{ background-color: rgb(96, 112,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor