

Converting Colors

CIELCh(45, 22.172, 161.610)

Have a look what the booklet for
CIELCh(45, 22.172, 161.610)
contains.

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Color

CIELCh(45, 22.379, 161.122)

Conversions

Conversions Part 1

Format	Color
Hex	46745E
RGB	70, 116, 94
RGB Percent	27%, 45%, 37%
CMY	0.7263, 0.5459, 0.6322
CMYK	0.40, 0.00, 0.19, 0.55
HSL	151°, 25%, 36%
HSV	151°, 40%, 45%
XYZ	10.7438, 14.5417, 12.7832
YIQ	99.7380, -20.3540, -16.5940

Conversions

Conversions Part 2

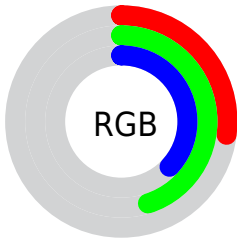
Format	Color
RYB	70, 100, 116
Decimal	4617310
CIELab	45.00, -21.18, 7.24
CIELCh	45, 22.379, 161.122
Yxy	14.5417, 0.2822, 0.3820
Android (android.graphics.Color)	4282807390 (0xFF46745E)
YUV	99.7380, -2.8288, -26.0802
Hunter-Lab	38.1336, -16.4429, 6.8183

Details

The CIELCh color **45, 22.379, 161.122** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 23.546, 348.651**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 22.432, 161.071**, and **25, 22.143, 161.599** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.593, 159.897**, and if you desaturate by 10%, it is **46, 16.916, 162.215**.

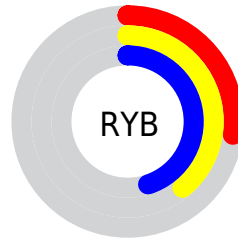
Distribution



Red (27%)

Green (45%)

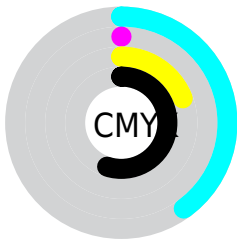
Blue (37%)



Red (27%)

Yellow (39%)

Blue (45%)

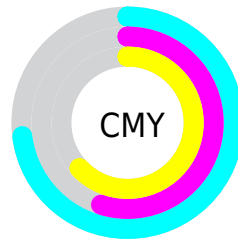


Cyan (40%)

Magenta (0%)

Yellow (19%)

Black (55%)



Cyan (73%)


Magenta (55%)

Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 22.379, 161.122 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, 22.379, 161.122 by changing the saturation by 10% instead.


 45, 22.379,
161.122


 45, 22.379,
161.122


 100, 22.379,
161.122


 35, 22.379,
161.122

 65, 22.379,
161.122


 25, 22.379,
161.122

 75, 22.379,
161.122

 15, 22.379,
161.122

 85, 22.379,
161.122

 5, 22.379, 161.122

 95, 22.379,
161.122

 0, 22.379, 161.122

 45, 22.379,

 45, 22.379,

161.122

161.122

■ 44, 27.593,
159.897

■ 46, 16.916,
162.215

■ 44, 32.467,
158.522

■ 47, 11.287,
163.201

■ 43, 36.923,
156.973

■ 48, 5.572, 164.110

■ 43, 40.898,
155.236

■ 49, 0.164, 343.168

■ 50, 5.865, 345.556

■ 43, 44.364,
153.305

■ 51, 11.493,
346.261

■ 42, 47.503,
151.359

■ 53, 17.016,
346.903

■ 42, 47.590,
151.309

■ 54, 22.414,
347.500

■ 56, 27.673,

Harmonies

Complementary

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



45, 22.379, 161.122



36, 23.546, 348.651

Rectangle

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



45, 22.379, 161.122



45, 22.379, 211.122



45, 22.379, 341.122



45, 22.379, 31.122

Sweetspot

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



45, 22.380, 161.121



61, 8.523, 163.879



46, 28.683, 127.890



31, 5.697, 163.793



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, 22.380, 161.121



57, 33.039, 159.962



45, 16.165, 199.267



24, 3.260, 164.170



45, 49.663, 151.161



87, 86.526, 149.801

Inverse Universe

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



36, 23.546, 348.651



43, 35.069, 349.900



35, 21.145, 24.121



23, 3.302, 345.523



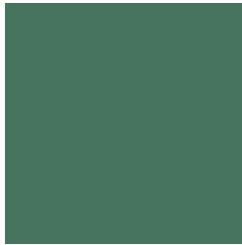
25, 49.200, 2.356



54, 83.178, 5.031

Previews

White Background



This preview shows how the CIELCh color 45, 22.379, 161.122 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, 22.379, 161.122 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, 22.379, 161.122

Background



This preview shows how black text looks on a background with the CIELCh color 45, 22.379, 161.122.



This preview shows how white text looks on a background with the CIELCh color 45, 22.379, 161.122.

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, 22.379, 161.122

Protanopia

45, 10.426, 94.136

Deuteranopia

45, 8.337, 41.046



Tritanopia
45, 13.733, 221.314

Trichromacy



Original Color
45, 22.379, 161.122

Protanomaly
45, 12.580, 134.517

Deuteranomaly
44, 6.893, 127.028

Tritanomaly
45, 14.528, 193.017

Monochromacy



Original Color
45, 22.379, 161.122

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.497, 163.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 22.379, 161.122 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(70, 116, 94)` looks like.

```
.text, #text, p{  
    color:rgb(70, 116, 94)  
}
```

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(70, 116, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 116, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 22.379, 161.122 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(70, 116, 94) }
```

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

```
.border{ border-color:rgb(70, 116, 94) }
```

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

Here you see how a box with a 4 pixel rgb(70, 116, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 116, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 116, 94);  
box-shadow:4px 4px 4px 4px rgb(70, 116,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 22.379, 161.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 116, 94) }
```

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

```
.background{ background-color: rgb(70, 116,  
94) }
```

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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