

Converting Colors

CIELCh(45, 21.530, 142.301)

Have a look what the booklet for
CIELCh(45, 21.530, 142.301)
contains.

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Color

CIELCh(45, 21.583, 141.960)

Conversions

Conversions Part 1

Format	Color
Hex	557254
RGB	85, 114, 84
RGB Percent	33%, 45%, 33%
CMY	0.6675, 0.5538, 0.6714
CMYK	0.25, 0.00, 0.26, 0.55
HSL	118°, 15%, 39%
HSV	118°, 26%, 45%
XYZ	11.3104, 14.5417, 10.5543
YIQ	101.9090, -7.6540, -15.4780

Conversions

Conversions Part 2

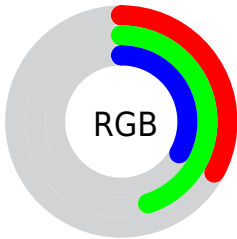
Format	Color
R_{YB}	84, 114, 113
Decimal	5599828
CIE _{Lab}	45.00, -17.00, 13.30
CIE _{LCh}	45, 21.583, 141.960
Yxy	14.5417, 0.3107, 0.3994
Android (android.graphics.Color)	4283789908 (0xFF557254)
YUV	101.9090, -8.8291, -14.8292
Hunter-Lab	38.1336, -13.7909, 10.2837

Details

The CIELCh color **45, 21.583, 141.960** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **40, 21.625, 324.857**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 21.504, 142.461**, and **25, 21.480, 141.799** is the 20% darker color. If you saturate the color by 10%, you get **44, 29.688, 141.175**, and if you desaturate by 10%, it is **46, 13.371, 142.648**.

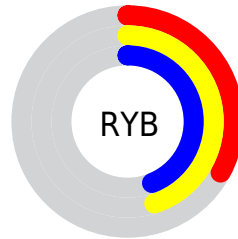
Distribution



Red (33%)

Green (45%)

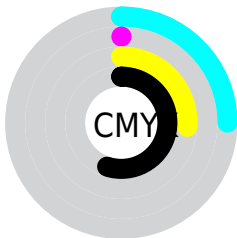
Blue (33%)



Red (33%)

Yellow (45%)

Blue (44%)

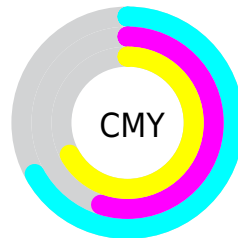


Cyan (25%)

Magenta (0%)

Yellow (26%)

Black (55%)



Cyan (67%)


Magenta (55%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.583, 141.960 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, 21.583, 141.960 by changing the saturation by 10% instead.


 45, 21.583,
141.960


 45, 21.583,
141.960


 100, 21.583,
141.960


 35, 21.583,
141.960

 65, 21.583,
141.960


 25, 21.583,
141.960

 75, 21.583,
141.960

 15, 21.583,
141.960

 85, 21.583,
141.960

 5, 21.583, 141.960

 95, 21.583,
141.960

 0, 21.583, 141.960

 45, 21.583,

 45, 21.583,

141.960

■ 44, 29.688,
141.175

■ 43, 37.529,
140.294

■ 43, 44.910,
139.335

■ 42, 51.590,
138.346

■ 42, 57.283,
137.407

■ 41, 61.683,
136.633

■ 41, 64.746,
136.032

■ 41, 65.813,
135.772

141.960

■ 46, 13.371,
142.648

■ 47, 5.166, 143.257

■ 48, 2.943, 323.673

■ 50, 10.897,
324.144

■ 51, 18.654,
324.518

■ 53, 26.191,
324.833

■ 54, 33.496,
325.103

■ 56, 40.565,
325.333

■ 58, 47.402,
325.530

Harmonies

Complementary

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



45, 21.583, 141.960



40, 21.625, 324.857

Rectangle

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



45, 21.583, 141.960



45, 21.583, 191.960



45, 21.583, 321.960



45, 21.583, 11.960

Sweetspot

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



45, 21.584, 141.960



60, 8.070, 143.147



47, 16.974, 106.328



31, 5.703, 143.074



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, 21.584, 141.960



57, 32.447, 141.463



45, 15.467, 159.697



23, 4.526, 143.101



43, 68.316, 135.786



85, 116.892, 135.921

Inverse Universe

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



40, 21.625, 324.857



49, 32.500, 325.169



39, 15.878, 344.068



22, 4.536, 323.980



27, 66.224, 326.973



57, 113.113, 326.902

Previews

White Background



This preview shows how the CIELCh color 45, 21.583, 141.960 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, 21.583, 141.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

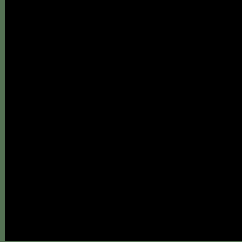
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.583, 141.960

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.583, 141.960.



This preview shows how white text looks on a background with the CIELCh color 45, 21.583, 141.960.

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

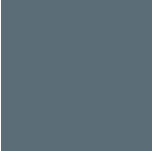
45, 21.583, 141.960

Protanopia

45, 15.817, 94.797

Deuteranopia

45, 13.487, 64.587



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 21.583, 141.960

Protanomaly
45, 16.728, 116.924

Deuteranomaly
45, 12.525, 102.314

Tritanomaly
45, 9.252, 179.488

Monochromacy



Original Color
45, 21.583, 141.960

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.830, 141.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.583, 141.960 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(85, 114, 84)` looks like.

```
.text, #text, p{  
    color:rgb(85, 114, 84)  
}
```

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(85, 114, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 114, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.583, 141.960 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(85, 114, 84) }
```

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

```
.border{ border-color:rgb(85, 114, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 114, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 114, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 114, 84);  
box-shadow:4px 4px 4px 4px rgb(85, 114,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.583, 141.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 114, 84) }
```

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

```
.background{ background-color: rgb(85, 114,  
84) }
```

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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