

Converting Colors

CIELCh(45, 21.859, 133.539)

Have a look what the booklet for
CIELCh(45, 21.859, 133.539)
contains.

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Color

CIELCh(45, 21.841, 134.332)

Conversions

Conversions Part 1

Format	Color
Hex	5A7150
RGB	90, 113, 80
RGB Percent	35%, 44%, 31%
CMY	0.6473, 0.5571, 0.6865
CMYK	0.20, 0.00, 0.29, 0.56
HSL	102°, 17%, 38%
HSV	102°, 29%, 44%
XYZ	11.5515, 14.5417, 9.7737
YIQ	102.3610, -3.1150, -15.1390

Conversions

Conversions Part 2

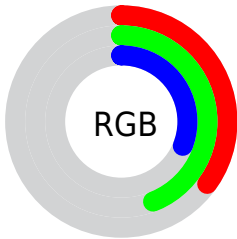
Format	Color
RYB	80, 113, 103
Decimal	5927248
CIELab	45.00, -15.26, 15.62
CIELCh	45, 21.841, 134.332
Yxy	14.5417, 0.3221, 0.4054
Android (android.graphics.Color)	4284117328 (0xFF5A7150)
YUV	102.3610, -11.0240, -10.8406
Hunter-Lab	38.1336, -12.6621, 11.4974

Details

The CIELCh color $45, 21.841, 134.332$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 22.305, 316.822$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 22.053, 133.708$, and $25, 21.959, 134.692$ is the 20% darker color. If you saturate the color by 10%, you get $44, 29.224, 133.812$, and if you desaturate by 10%, it is $46, 14.363, 134.826$.

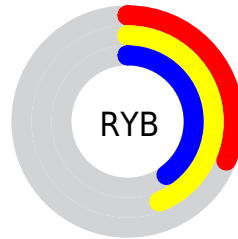
Distribution



Red (35%)

Green (44%)

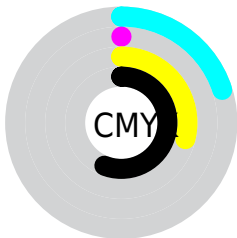
Blue (31%)



Red (31%)

Yellow (44%)

Blue (40%)

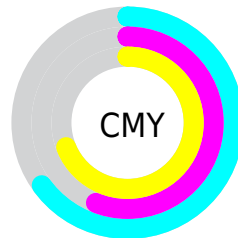


Cyan (20%)

Magenta (0%)

Yellow (29%)

Black (56%)



Cyan (65%)


Magenta (56%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.841, 134.332 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, 21.841, 134.332 by changing the saturation by 10% instead.


 45, 21.841,
134.332


 45, 21.841,
134.332


 100, 21.841,
134.332


 35, 21.841,
134.332

 65, 21.841,
134.332


 25, 21.841,
134.332

 75, 21.841,
134.332

 15, 21.841,
134.332

 85, 21.841,
134.332

 5, 21.841, 134.332

 95, 21.841,
134.332

 0, 21.841, 134.332

 45, 21.841,

 45, 21.841,

134.332

134.332

■ 44, 29.224,
133.812

■ 46, 14.363,
134.826

■ 44, 36.395,
133.284

■ 47, 6.867, 135.283

■ 43, 43.202,
132.790

■ 48, 0.585, 315.467

■ 49, 7.950, 316.012

■ 43, 49.439,
132.396

■ 50, 15.199,
316.334

■ 42, 54.840,
132.195

■ 51, 22.311,
316.611

■ 42, 59.114,
132.300

■ 52, 29.272,
316.852

■ 41, 62.519,
132.512

■ 53, 36.076,
317.060

■ 41, 62.785,
132.510

■ 55, 42.719,

Harmonies

Complementary

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



45, 21.841, 134.332



37, 22.305, 316.822

Rectangle

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



45, 21.841, 134.332



45, 21.841, 184.332



45, 21.841, 314.332



45, 21.841, 4.332

Sweetspot

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



45, 21.842, 134.333



60, 8.362, 135.282



44, 14.262, 88.909



31, 5.777, 135.231



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, 21.842, 134.333



57, 32.582, 133.985



44, 21.128, 147.906



23, 4.166, 135.293



44, 65.578, 132.598



86, 112.992, 133.325

Inverse Universe

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



37, 22.305, 316.822



46, 33.431, 317.098



38, 21.205, 331.692



22, 4.198, 315.977



21, 68.413, 317.623



46, 117.201, 317.097

Previews

White Background



This preview shows how the CIELCh color 45, 21.841, 134.332 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, 21.841, 134.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

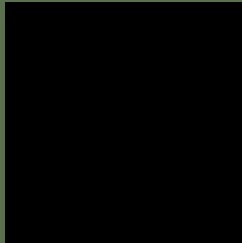
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.841, 134.332

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.841, 134.332.



This preview shows how white text looks on a background with the CIELCh color 45, 21.841, 134.332.

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

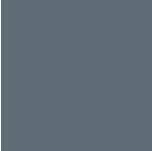
45, 21.841, 134.332

Protanopia

45, 17.537, 95.756

Deuteranopia

45, 15.660, 68.892



Tritanopia
45, 6.987, 249.529

Trichromacy



Original Color
45, 21.841, 134.332

Protanomaly
45, 18.331, 113.159

Deuteranomaly
45, 15.051, 97.755

Tritanomaly
45, 7.429, 169.752

Monochromacy



Original Color
45, 21.841, 134.332

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.943, 134.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.841, 134.332 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(90, 113, 80)` looks like.

```
.text, #text, p{  
    color:rgb(90, 113, 80)  
}
```

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(90, 113, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 113, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.841, 134.332 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(90, 113, 80) }
```

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

```
.border{ border-color:rgb(90, 113, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 113, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 113, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 113, 80);  
box-shadow:4px 4px 4px 4px rgb(90, 113,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.841, 134.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 113, 80) }
```

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

```
.background{ background-color: rgb(90, 113,  
80) }
```

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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