

Converting Colors

CIELCh(45, 21.138, 157.142)

Have a look what the booklet for
CIELCh(45, 21.138, 157.142)
contains.

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Color

CIELCh(45, 21.170, 156.839)

Conversions

Conversions Part 1

Format	Color
Hex	4B735C
RGB	75, 115, 92
RGB Percent	29%, 45%, 36%
CMY	0.7057, 0.5488, 0.6391
CMYK	0.35, 0.00, 0.20, 0.55
HSL	145°, 21%, 37%
HSV	145°, 35%, 45%
XYZ	10.9736, 14.5417, 12.3627
YIQ	100.4180, -16.4570, -15.6330

Conversions

Conversions Part 2

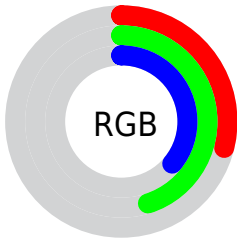
Format	Color
RYB	75, 103, 115
Decimal	4944732
CIELab	45.00, -19.46, 8.33
CIElCh	45, 21.170, 156.839
Yxy	14.5417, 0.2897, 0.3839
Android (android.graphics.Color)	4283134812 (0xFF4B735C)
YUV	100.4180, -4.1501, -22.2916
Hunter-Lab	38.1336, -15.3672, 7.4720

Details

The CIELCh color $45, 21.170, 156.839$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 21.740, 342.670$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 21.198, 156.778$, and $25, 21.461, 156.273$ is the 20% darker color. If you saturate the color by 10%, you get $44, 26.998, 155.720$, and if you desaturate by 10%, it is $46, 15.158, 157.829$.

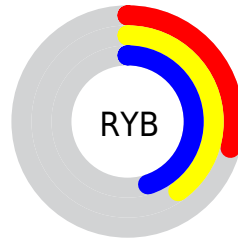
Distribution



Red (29%)

Green (45%)

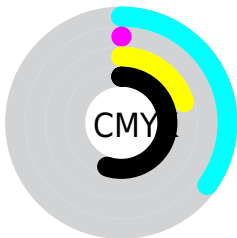
Blue (36%)



Red (29%)

Yellow (40%)

Blue (45%)

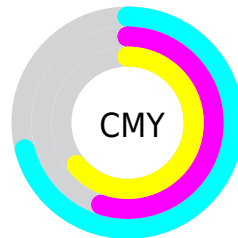


Cyan (35%)

Magenta (0%)

Yellow (20%)

Black (55%)



Cyan (71%)


Magenta (55%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.170, 156.839 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, 21.170, 156.839 by changing the saturation by 10% instead.


 45, 21.170,
156.839


 45, 21.170,
156.839


 100, 21.170,
156.839


 35, 21.170,
156.839

 65, 21.170,
156.839


 25, 21.170,
156.839

 75, 21.170,
156.839

 15, 21.170,
156.839

 85, 21.170,
156.839

 5, 21.170, 156.839

 95, 21.170,
156.839

 0, 21.170, 156.839

 45, 21.170,

 45, 21.170,

156.839

156.839

■ 44, 26.998,
155.720

■ 46, 15.158,
157.829

■ 44, 32.542,
154.454

■ 47, 9.047, 158.717

■ 43, 37.709,
153.019

■ 48, 2.913, 159.559

■ 49, 3.183, 340.099

■ 43, 42.412,
151.401

■ 50, 9.194, 340.791

■ 42, 46.591,
149.595

■ 52, 15.086,
341.386

■ 42, 50.248,
147.646

■ 53, 20.835,
341.928

■ 42, 52.077,
146.705

■ 55, 26.428,
342.427

■ 56, 31.856,
342.890

Harmonies

Complementary

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



45, 21.170, 156.839



37, 21.740, 342.670

Rectangle

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



45, 21.170, 156.839



45, 21.170, 206.839



45, 21.170, 336.839



45, 21.170, 26.839

Sweetspot

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



45, 21.171, 156.838



61, 7.623, 159.093



46, 24.435, 124.460



32, 5.243, 159.001



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, 21.171, 156.838



57, 31.614, 155.917



46, 15.019, 190.079



24, 3.497, 159.193



45, 54.626, 146.544



87, 95.281, 145.230

Inverse Universe

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



37, 21.740, 342.670



45, 32.592, 343.519



36, 18.189, 15.958



23, 3.528, 340.439



26, 50.541, 353.783



54, 84.934, 355.793

Previews

White Background



This preview shows how the CIELCh color 45, 21.170, 156.839 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, 21.170, 156.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

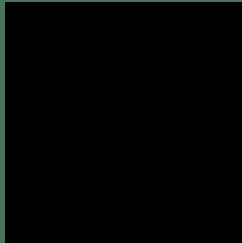
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.170, 156.839

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.170, 156.839.



This preview shows how white text looks on a background with the CIELCh color 45, 21.170, 156.839.

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, 21.170, 156.839

Protanopia

45, 11.579, 95.365

Deuteranopia

45, 8.890, 47.995



Tritanopia
45, 12.002, 225.098

Trichromacy



Original Color
45, 21.170, 156.839

Protanomaly
45, 12.630, 128.290

Deuteranomaly
45, 7.838, 118.443

Tritanomaly
45, 12.564, 192.489

Monochromacy



Original Color
45, 21.170, 156.839

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.552, 159.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.170, 156.839 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(75, 115, 92)` looks like.

```
.text, #text, p{  
    color:rgb(75, 115, 92)  
}
```

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(75, 115, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 115, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.170, 156.839 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(75, 115, 92) }
```

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

```
.border{ border-color:rgb(75, 115, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 115, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 115, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 115, 92);  
box-shadow:4px 4px 4px 4px rgb(75, 115,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.170, 156.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 115, 92) }
```

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

```
.background{ background-color: rgb(75, 115,  
92) }
```

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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