

Converting Colors

CIELCh(45, 4.161, 35.830)

Have a look what the booklet for
CIELCh(45, 4.161, 35.830) contains.

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Color

CIELCh(45, 4.237, 27.885)

Conversions

Conversions Part 1

Format	Color
Hex	726867
RGB	114, 104, 103
RGB Percent	45%, 41%, 40%
CMY	0.5518, 0.5910, 0.5949
CMYK	0.00, 0.09, 0.10, 0.55
HSL	5°, 5%, 43%
HSV	5°, 10%, 45%
XYZ	14.4205, 14.5417, 14.9552
YIQ	106.8760, 6.2810, 1.8090

Conversions

Conversions Part 2

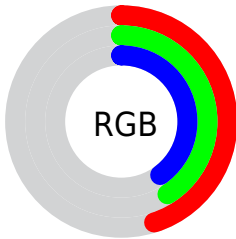
Format	Color
R_{YB}	114, 104, 103
Decimal	7497831
CIE _{Lab}	45.00, 3.75, 1.98
CIE _{LCh}	45, 4.237, 27.885
Yxy	14.5417, 0.3284, 0.3311
Android (android.graphics.Color)	4285687911 (0xFF726867)
YUV	106.8760, -1.9109, 6.2477
Hunter-Lab	38.1336, 0.7673, 3.4412

Details

The CIELCh color $45, 4.237, 27.885$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 3.993, 207.616$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 4.310, 27.066$, and $25, 4.271, 28.931$ is the 20% darker color. If you saturate the color by 10%, you get $42, 8.981, 28.356$, and if you desaturate by 10%, it is $48, 0.157, 210.068$.

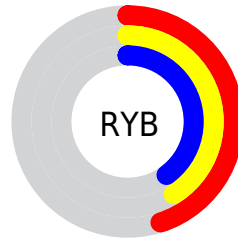
Distribution



Red (45%)

Green (41%)

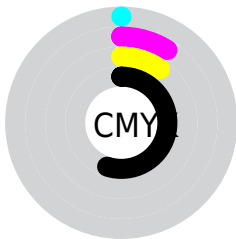
Blue (40%)



Red (45%)

Yellow (41%)

Blue (40%)

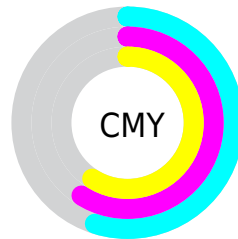


Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (55%)



Cyan (55%)

Magenta (59%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.237, 27.885 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, 4.237, 27.885 by changing the saturation by 10% instead.

■ 45, 4.237, 27.885 ■ 45, 4.237, 27.885

■ 100, 4.237, 27.885 ■ 35, 4.237, 27.885

■ 65, 4.237, 27.885 ■ 25, 4.237, 27.885

■ 75, 4.237, 27.885 ■ 15, 4.237, 27.885

■ 85, 4.237, 27.885 ■ 5, 4.237, 27.885

■ 95, 4.237, 27.885 ■ 0, 4.237, 27.885

■ 45, 4.237, 27.885 ■ 45, 4.237, 27.885

■ 42, 8.981, 28.356 ■ 48, 0.157, 210.068

■ 39, 14.096, 28.944 ■ 52, 4.227, 207.620

■ 36, 19.587, 29.740 ■ 55, 8.005, 207.472

■ 33, 25.431, 30.806

■ 58, 11.522,
207.408

■ 30, 31.570, 32.201

■ 62, 14.810,
207.392

■ 28, 37.892, 33.968

■ 26, 44.205, 36.077

■ 65, 17.895,
207.412

■ 24, 49.997, 38.105

■ 68, 20.802,
207.456

■ 23, 54.294, 39.373

■ 72, 23.552,
207.520

■ 75, 26.164,
207.596

Harmonies

Complementary

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



45, 4.237, 27.885



47, 3.993, 207.616

Rectangle

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



45, 4.237, 27.885



45, 4.237, 77.885



45, 4.237, 207.885



45, 4.237, 257.885

Sweetspot

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



45, 4.236, 27.903



60, 1.589, 27.516



45, 7.529, 327.270



31, 1.200, 27.587



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, 4.236, 27.903



56, 6.589, 28.018



47, 4.242, 82.670



22, 2.430, 27.875



24, 56.746, 39.777



52, 100.870, 40.809

Inverse Universe

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



47, 3.993, 207.616



59, 6.105, 207.555



45, 4.201, 265.138



23, 2.301, 207.634



42, 25.795, 211.760



82, 43.867, 212.748

Previews

White Background



This preview shows how the CIELCh color 45, 4.237, 27.885 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, 4.237, 27.885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

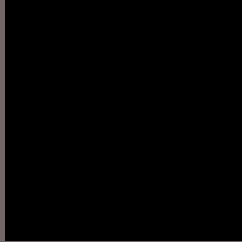
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 4.237, 27.885

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.237, 27.885.



This preview shows how white text looks on a background with the CIELCh color 45, 4.237, 27.885.

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, 4.237, 27.885

Protanopia

45, 1.711, 63.291

Deuteranopia

45, 6.337, 14.791



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color

45, 4.237, 27.885

Protanomaly

45, 2.563, 32.971

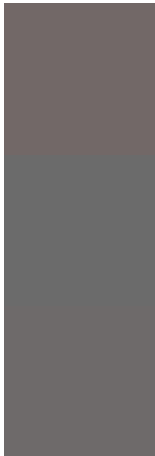
Deuteranomaly

45, 5.911, 14.341

Tritanomaly

45, 5.802, 349.243

Monochromacy



Original Color

45, 4.237, 27.885

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.652, 19.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.237, 27.885 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(114, 104, 103)` looks like.

```
.text, #text, p{  
    color:rgb(114, 104, 103)  
}
```

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(114, 104, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 104, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.237, 27.885 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(114, 104, 103) }
```

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

```
.border{ border-color:rgb(114, 104, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 104, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 104, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 104, 103);  
box-shadow:4px 4px 4px 4px rgb(114, 104,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.237, 27.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 104, 103) }
```

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

```
.background{ background-color: rgb(114,  
104, 103) }
```

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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