

Converting Colors

CIELCh(45, 2.586, 30.735)

Have a look what the booklet for
CIELCh(45, 2.586, 30.735) contains.

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Color

CIELCh(45, 2.563, 32.971)

Conversions

Conversions Part 1

Format	Color
Hex	6F6968
RGB	111, 105, 104
RGB Percent	44%, 41%, 41%
CMY	0.5639, 0.5874, 0.5913
CMYK	0.00, 0.05, 0.06, 0.56
HSL	9°, 3%, 42%
HSV	9°, 6%, 44%
XYZ	14.1633, 14.5417, 15.2118
YIQ	106.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

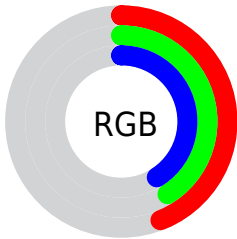
Format	Color
R_{YB}	111, 105, 104
Decimal	7301480
CIE _{Lab}	45.00, 2.15, 1.39
CIE _{LCh}	45, 2.563, 32.971
Yxy	14.5417, 0.3225, 0.3311
Android (android.graphics.Color)	4285491560 (0xFF6F6968)
YUV	106.6800, -1.3212, 3.7886
Hunter-Lab	38.1336, -0.4365, 3.0422

Details

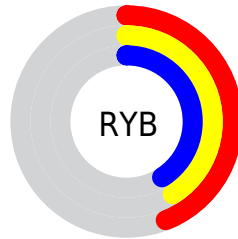
The CIELCh color $45, 2.563, 32.971$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 2.468, 213.251$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 2.757, 31.068$, and $25, 2.403, 35.554$ is the 20% darker color. If you saturate the color by 10%, you get $42, 6.898, 33.224$, and if you desaturate by 10%, it is $48, 1.452, 213.355$.

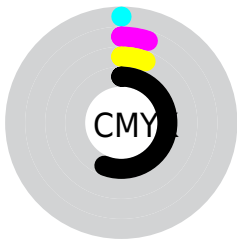
Distribution



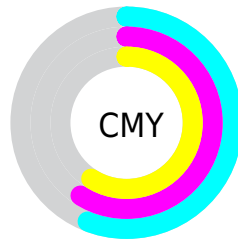
- Red (44%)
- Green (41%)
- Blue (41%)



- Red (44%)
- Yellow (41%)
- Blue (41%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (56%)



- Cyan (56%)
- Magenta (59%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 2.563, 32.971 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, 2.563, 32.971 by changing the saturation by 10% instead.

■ 45, 2.563, 32.971 ■ 45, 2.563, 32.971

■ 100, 2.563, 32.971 ■ 35, 2.563, 32.971

■ 65, 2.563, 32.971 ■ 25, 2.563, 32.971

■ 75, 2.563, 32.971 ■ 15, 2.563, 32.971

■ 85, 2.563, 32.971 ■ 5, 2.563, 32.971

■ 95, 2.563, 32.971 ■ 0, 2.563, 32.971

■ 45, 2.563, 32.971 ■ 45, 2.563, 32.971

■ 42, 6.898, 33.224 ■ 48, 1.452, 213.355

■ 39, 11.582, 33.508 ■ 51, 5.175, 213.215

■ 36, 16.630, 33.946 ■ 54, 8.637, 213.282

■ 33, 22.043, 34.588

■ 57, 11.867,
213.406

■ 31, 27.797, 35.480

■ 60, 14.893,
213.566

■ 29, 33.824, 36.656

■ 26, 39.991, 38.106

■ 64, 17.738,
213.749

■ 25, 46.020, 39.692

■ 67, 20.426,
213.947

■ 23, 50.792, 40.353

■ 70, 22.974,
214.156

■ 73, 25.399,
214.371

Harmonies

Complementary

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



45, 2.563, 32.971



46, 2.468, 213.251

Rectangle

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



45, 2.563, 32.971



45, 2.563, 82.971



45, 2.563, 212.971



45, 2.563, 262.971

Sweetspot

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



45, 2.562, 33.002



60, 0.997, 32.679



45, 4.639, 328.616



31, 0.571, 32.640



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, 2.562, 33.002



57, 4.086, 33.053



46, 2.824, 87.563



22, 2.330, 33.071



25, 55.931, 41.169



53, 99.537, 41.675

Inverse Universe

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



46, 2.468, 213.251



59, 3.889, 213.225



45, 2.824, 269.195



23, 2.207, 213.219



40, 25.014, 222.060



78, 42.628, 223.745

Previews

White Background



This preview shows how the CIELCh color 45, 2.563, 32.971 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 CIE LCh color 45, 2.563, 32.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

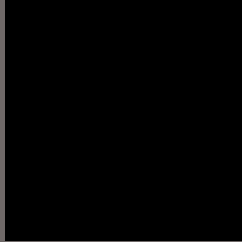
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 2.563, 32.971

Background



This preview shows how black text looks on a background with the CIELCh color 45, 2.563, 32.971.



This preview shows how white text looks on a background with the CIELCh color 45, 2.563, 32.971.

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, 2.563, 32.971

Protanopia

45, 1.369, 45.018

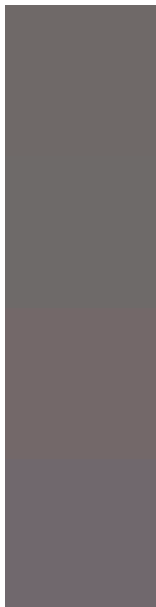
Deuteranopia

45, 5.983, 8.677



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color

45, 2.563, 32.971

Protanomaly

45, 1.754, 39.190

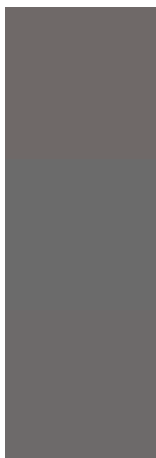
Deuteranomaly

45, 4.634, 12.558

Tritanomaly

45, 4.457, 337.927

Monochromacy



Original Color

45, 2.563, 32.971

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.237, 19.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 2.563, 32.971 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(111, 105, 104)` looks like.

```
.text, #text, p{  
    color:rgb(111, 105, 104)  
}
```

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(111, 105, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 105, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 2.563, 32.971 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(111, 105, 104) }
```

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

```
.border{ border-color:rgb(111, 105, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 105, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 105, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 105, 104);  
box-shadow:4px 4px 4px 4px rgb(111, 105,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 2.563, 32.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 105, 104) }
```

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

```
.background{ background-color: rgb(111,  
105, 104) }
```

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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