

Converting Colors

CIELCh(45, 3.560, 225.046)

Have a look what the booklet for
CIELCh(45, 3.560, 225.046) contains.

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Color

CIELCh(45, 3.618, 228.873)

Conversions

Conversions Part 1

Format	Color
Hex	646C6F
RGB	100, 108, 111
RGB Percent	39%, 42%, 44%
CMY	0.6084, 0.5770, 0.5653
CMYK	0.10, 0.03, 0.00, 0.57
HSL	196°, 5%, 41%
HSV	196°, 10%, 43%
XYZ	13.4496, 14.5417, 17.0965
YIQ	105.9500, -5.7310, -0.7630

Conversions

Conversions Part 2

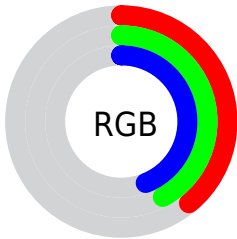
Format	Color
R_{YB}	100, 105, 111
Decimal	6581359
CIE Lab	45.00, -2.38, -2.73
CIE LCh	45, 3.618, 228.873
Yxy	14.5417, 0.2983, 0.3225
Android (android.graphics.Color)	4284771439 (0xFF646C6F)
YUV	105.9500, 2.4897, -5.2181
Hunter-Lab	38.1336, -3.7775, 0.1120

Details

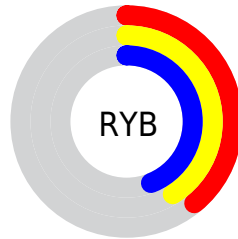
The CIELCh color **45, 3.618, 228.873** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 3.815, 47.589**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 3.688, 236.435**, and **25, 3.674, 219.980** is the 20% darker color. If you saturate the color by 10%, you get **43, 7.099, 229.574**, and if you desaturate by 10%, it is **47, 0.028, 35.918**.

Distribution



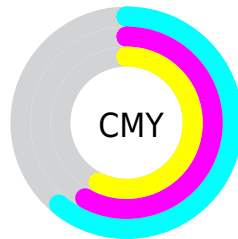
- Red (39%)
- Green (42%)
- Blue (44%)



- Red (39%)
- Yellow (41%)
- Blue (44%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (57%)



- Cyan (61%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 3.618, 228.873 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, 3.618, 228.873 by changing the saturation by 10% instead.

■ 45, 3.618, 228.873

■ 45, 3.618, 228.873

■ 100, 3.618,
228.873

■ 35, 3.618, 228.873

■ 65, 3.618, 228.873

■ 25, 3.618, 228.873

■ 75, 3.618, 228.873

■ 15, 3.618, 228.873

■ 85, 3.618, 228.873

■ 5, 3.618, 228.873

■ 95, 3.618, 228.873

■ 0, 3.618, 228.873

■ 45, 3.618, 228.873

■ 45, 3.618, 228.873

■ 43, 7.099, 229.574

■ 47, 0.028, 35.918

■ 42, 10.376,
230.540

■ 49, 3.801, 47.614

40, 13.406,
231.780

51, 7.672, 47.305

38, 16.147,
233.355

52, 11.615, 47.050

54, 15.609, 46.855

37, 18.562,
235.337

56, 19.636, 46.709

35, 20.630,
237.803

58, 23.681, 46.603

60, 27.734, 46.528

34, 22.349,
240.831

62, 31.785, 46.479

33, 23.752,
244.474

32, 25.050,
248.337

Harmonies

Complementary

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



45, 3.618, 228.873



44, 3.815, 47.589

Rectangle

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



45, 3.618, 228.873



45, 3.618, 278.873



45, 3.618, 48.873



45, 3.618, 98.873

Sweetspot

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



45, 3.618, 228.853



60, 1.386, 228.632



46, 6.619, 152.363



31, 1.057, 228.617



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, 3.618, 228.853



58, 5.436, 229.003



43, 5.149, 279.498



23, 2.075, 228.802



34, 26.567, 248.815



69, 46.277, 251.807

Inverse Universe

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



44, 6.620, 333.792



55, 10.014, 333.954



46, 5.103, 97.215



22, 3.787, 333.730



26, 54.143, 342.212



55, 91.535, 343.259

Previews

White Background



This preview shows how the CIELCh color 45, 3.618, 228.873 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, 3.618, 228.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

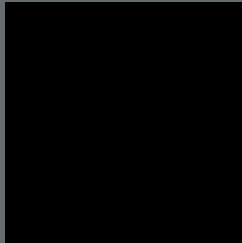
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

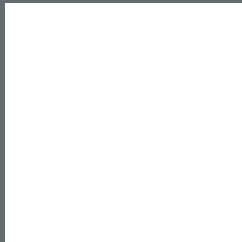
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 3.618, 228.873

Background



This preview shows how black text looks on a background with the CIELCh color 45, 3.618, 228.873.



This preview shows how white text looks on a background with the CIELCh color 45, 3.618, 228.873.

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, 3.618, 228.873

Protanopia

45, 2.431, 300.115

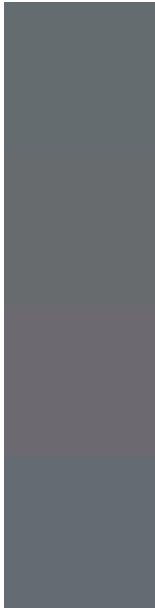
Deuteranopia

45, 7.026, 330.433



Tritanopia
45, 5.812, 267.131

Trichromacy



Original Color

45, 3.618, 228.873

Protanomaly

45, 2.144, 256.175

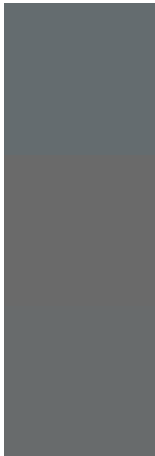
Deuteranomaly

45, 4.504, 311.751

Tritanomaly

45, 4.756, 260.967

Monochromacy



Original Color

45, 3.618, 228.873

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.348, 225.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 3.618, 228.873 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(100, 108, 111)` looks like.

```
.text, #text, p{  
    color:rgb(100, 108, 111)  
}
```

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(100, 108, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 108, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 3.618, 228.873 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(100, 108, 111) }
```

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

```
.border{ border-color:rgb(100, 108, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 108, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 108, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 108, 111);  
box-shadow:4px 4px 4px 4px rgb(100, 108,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 3.618, 228.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 108, 111) }
```

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

```
.background{ background-color: rgb(100,  
108, 111) }
```

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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