

Converting Colors

CIELCh(45, 2.023, 197.958)

Have a look what the booklet for
CIELCh(45, 2.023, 197.958) contains.

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Color

CIELCh(45, 2.026, 199.334)

Conversions

Conversions Part 1

Format	Color
Hex	666B6B
RGB	102, 107, 107
RGB Percent	40%, 42%, 42%
CMY	0.5981, 0.5785, 0.5785
CMYK	0.05, 0.00, 0.00, 0.58
HSL	180°, 2%, 41%
HSV	180°, 5%, 42%
XYZ	13.5222, 14.5417, 16.1383
YIQ	105.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

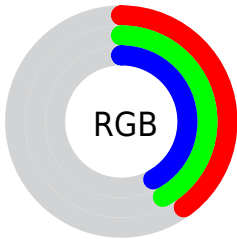
Format	Color
RYB	102, 105, 107
Decimal	6712171
CIELab	45.00, -1.91, -0.67
CIElCh	45, 2.026, 199.334
Yxy	14.5417, 0.3059, 0.3290
Android (android.graphics.Color)	4284902251 (0xFF666B6B)
YUV	105.5050, 0.7370, -3.0739
Hunter-Lab	38.1336, -3.4377, 1.6017

Details

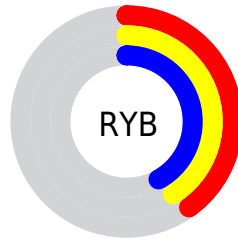
The CIELCh color **45, 2.026, 199.334** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 2.083, 19.471**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 1.894, 199.478**, and **25, 2.221, 199.117** is the 20% darker color. If you saturate the color by 10%, you get **44, 6.229, 198.686**, and if you desaturate by 10%, it is **46, 2.372, 19.512**.

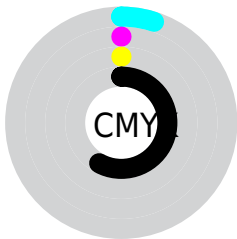
Distribution



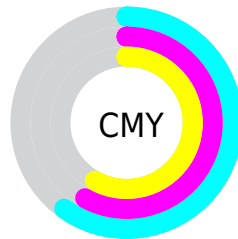
- Red (40%)
- Green (42%)
- Blue (42%)



- Red (40%)
- Yellow (41%)
- Blue (42%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 2.026, 199.334 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, 2.026, 199.334 by changing the saturation by 10% instead.

■ 45, 2.026, 199.334

■ 45, 2.026, 199.334

■ 100, 2.026,
199.334

■ 35, 2.026, 199.334

■ 65, 2.026, 199.334

■ 25, 2.026, 199.334

■ 75, 2.026, 199.334

■ 15, 2.026, 199.334

■ 85, 2.026, 199.334

■ 5, 2.026, 199.334

■ 95, 2.026, 199.334

■ 0, 2.026, 199.334

■ 45, 2.026, 199.334

■ 45, 2.026, 199.334

■ 44, 6.229, 198.686

■ 46, 2.372, 19.512

■ 43, 10.176,
198.202

■ 47, 6.915, 20.164

43, 13.804,
197.774

48, 11.556, 20.756

42, 17.050,
197.399

49, 16.256, 21.349

42, 19.859,
197.080

50, 20.985, 21.944

41, 22.183,
196.819

53, 30.439, 23.131

41, 23.995,
196.616

54, 35.130, 23.717

41, 25.291,
196.472

56, 39.783, 24.294

41, 26.134,
196.376

Harmonies

Complementary

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



45, 2.026, 199.334



44, 2.083, 19.471

Rectangle

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



45, 2.026, 199.334



45, 2.026, 249.334



45, 2.026, 19.334



45, 2.026, 69.334

Sweetspot

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



45, 2.027, 199.303



58, 0.545, 200.099



45, 3.624, 143.801



30, 0.312, 200.171



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 2.027, 199.303



58, 3.238, 199.183



44, 1.775, 254.265



22, 1.701, 199.176



44, 28.244, 196.329



88, 48.603, 196.326

Inverse Universe

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



44, 2.083, 19.471



56, 3.358, 19.604



45, 1.788, 72.936



21, 1.765, 19.612



23, 56.942, 37.563



51, 101.375, 39.989

Previews

White Background



This preview shows how the CIELCh color 45, 2.026, 199.334 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, 2.026, 199.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

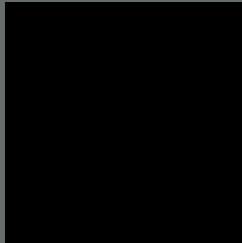
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

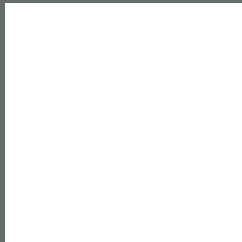
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 2.026, 199.334

Background



This preview shows how black text looks on a background with the CIELCh color 45, 2.026, 199.334.



This preview shows how white text looks on a background with the CIELCh color 45, 2.026, 199.334.

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, 2.026, 199.334

Protanopia

45, 1.024, 343.540

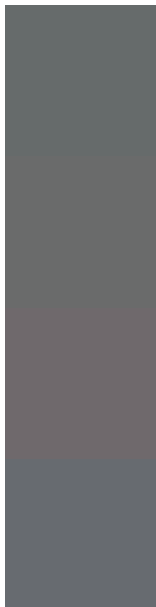
Deuteranopia

45, 6.164, 351.307



Tritanopia
45, 5.418, 282.559

Trichromacy



Original Color

45, 2.026, 199.334

Protanomaly

45, 0.408, 200.214

Deuteranomaly

45, 3.063, 343.984

Tritanomaly

45, 3.357, 262.249

Monochromacy



Original Color

45, 2.026, 199.334

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 0.815, 199.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 2.026, 199.334 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(102, 107, 107)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 107)  
}
```

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(102, 107, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 2.026, 199.334 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(102, 107, 107) }
```

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

```
.border{ border-color:rgb(102, 107, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 107, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 107, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 107, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 107,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 2.026, 199.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 107) }
```

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

```
.background{ background-color: rgb(102,  
107, 107) }
```

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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