

Converting Colors

CIELCh(44, 2.816, 283.997)

Have a look what the booklet for
CIELCh(44, 2.816, 283.997) contains.

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Color

CIELCh(44, 2.427, 280.945)

Conversions

Conversions Part 1

Format	Color
Hex	67686C
RGB	103, 104, 108
RGB Percent	40%, 41%, 42%
CMY	0.5965, 0.5925, 0.5769
CMYK	0.05, 0.04, 0.00, 0.58
HSL	228°, 2%, 41%
HSV	228°, 5%, 42%
XYZ	13.2232, 13.8382, 16.1328
YIQ	104.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

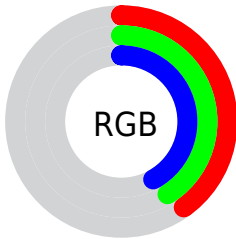
Format	Color
R_{YB}	103, 104, 108
Decimal	6776940
CIE _{Lab}	44.00, 0.46, -2.38
CIE _{LCh}	44, 2.427, 280.945
Yxy	13.8382, 0.3061, 0.3204
Android (android.graphics.Color)	4284967020 (0xFF67686C)
YUV	104.1570, 1.8946, -1.0147
Hunter-Lab	37.1997, -1.6489, 0.3269

Details

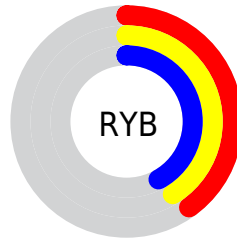
The CIELCh color **44, 2.427, 280.945** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 2.404, 99.850**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 2.262, 280.811**, and **24, 2.683, 281.261** is the 20% darker color. If you saturate the color by 10%, you get **41, 7.754, 282.101**, and if you desaturate by 10%, it is **47, 2.761, 99.801**.

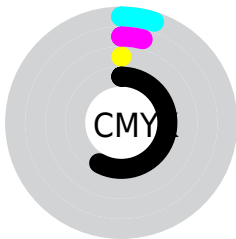
Distribution



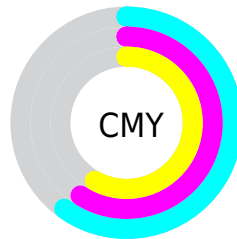
- Red (40%)
- Green (41%)
- Blue (42%)



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



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 2.427, 280.945 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 44, 2.427, 280.945 by changing the saturation by 10% instead.

■ 44, 2.427, 280.945

■ 44, 2.427, 280.945

100, 2.427,
280.945

■ 34, 2.427, 280.945

■ 64, 2.427, 280.945

■ 24, 2.427, 280.945

■ 74, 2.427, 280.945

■ 14, 2.427, 280.945

■ 84, 2.427, 280.945

■ 4, 2.427, 280.945

■ 94, 2.427, 280.945

■ 0, 2.427, 280.945

■ 44, 2.427, 280.945

■ 44, 2.427, 280.945

■ 41, 7.754, 282.101

■ 47, 2.761, 99.801

■ 37, 13.234,
283.492

■ 51, 7.813, 98.916

■ 34, 18.877,
285.109

■ 54, 12.739, 98.125

■ 30, 24.699,
286.980

■ 58, 17.543, 97.427

■ 27, 30.715,
289.130

■ 61, 22.229, 96.809

■ 24, 36.934,
291.560

■ 64, 26.804, 96.260

■ 20, 43.333,
294.236

■ 67, 31.271, 95.768

■ 17, 49.817,
297.060

■ 71, 35.635, 95.326

■ 15, 56.157,
299.817

■ 74, 39.899, 94.927

Harmonies

Complementary

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



44, 2.427, 280.945



45, 2.404, 99.850

Rectangle

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



44, 2.427, 280.945



44, 2.427, 330.945



44, 2.427, 100.945



44, 2.427, 150.945

Sweetspot

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



44, 2.426, 280.924



58, 0.652, 280.675



45, 2.139, 181.749



30, 0.374, 280.682



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



44, 2.426, 280.924



56, 3.902, 281.087



44, 3.065, 301.423



21, 2.050, 281.098



15, 63.598, 301.330



36, 115.124, 302.873

Inverse Universe

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



44, 2.164, 3.468



56, 3.488, 3.641



45, 3.029, 120.930



21, 1.833, 3.653



23, 51.318, 26.991



51, 90.919, 30.464

Previews

White Background



This preview shows how the CIELCh color 44, 2.427, 280.945 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 44, 2.427, 280.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

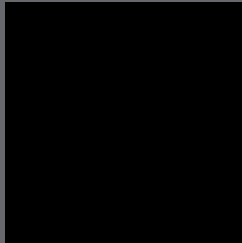
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

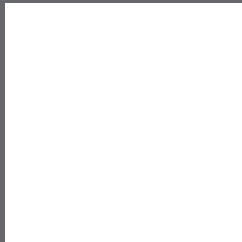
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 2.427, 280.945

Background



This preview shows how black text looks on a background with the CIELCh color 44, 2.427, 280.945.



This preview shows how white text looks on a background with the CIELCh color 44, 2.427, 280.945.

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

44, 2.427, 280.945

Protanopia

44, 3.121, 305.698

Deuteranopia

44, 6.607, 333.792



Tritanopia
44, 5.401, 290.957

Trichromacy



Original Color

44, 2.427, 280.945

Protanomaly

44, 3.036, 298.291

Deuteranomaly

44, 5.103, 324.741

Tritanomaly

44, 4.801, 290.873

Monochromacy



Original Color

44, 2.427, 280.945

Achromatopsia

44, 0.006, 296.813

Achromatomaly

44, 0.604, 290.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 2.427, 280.945 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(103, 104, 108)` looks like.

```
.text, #text, p{  
    color:rgb(103, 104, 108)  
}
```

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(103, 104, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 104, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 2.427, 280.945 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(103, 104, 108) }
```

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

```
.border{ border-color:rgb(103, 104, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 104, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 104, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 104, 108);  
box-shadow:4px 4px 4px 4px rgb(103, 104,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 2.427, 280.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 104, 108) }
```

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

```
.background{ background-color: rgb(103,  
104, 108) }
```

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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