

Converting Colors

CIELCh(47, 21.118, 261.437)

Have a look what the booklet for
CIELCh(47, 21.118, 261.437)
contains.

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Color

CIELCh(47, 20.966, 260.488)

Conversions

Conversions Part 1

Format	Color
Hex	517392
RGB	81, 115, 146
RGB Percent	32%, 45%, 57%
CMY	0.6832, 0.5499, 0.4283
CMYK	0.45, 0.21, 0.00, 0.43
HSL	209°, 29%, 44%
HSV	209°, 45%, 57%
XYZ	14.6506, 16.0195, 29.4205
YIQ	108.3680, -30.2150, 2.4330

Conversions

Conversions Part 2

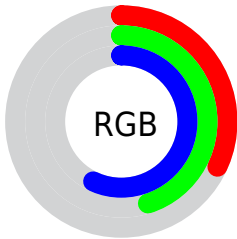
Format	Color
R_{YB}	81, 103, 146
Decimal	5338002
CIE _{Lab}	47.00, -3.46, -20.68
CIE _{LCh}	47, 20.966, 260.488
Yxy	16.0195, 0.2438, 0.2666
Android (android.graphics.Color)	4283528082 (0xFF517392)
YUV	108.3680, 18.5526, -24.0017
Hunter-Lab	40.0243, -4.7039, -15.5650

Details

The CIELCh color `47, 20.966, 260.488` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `50, 24.208, 67.638`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `67, 20.935, 259.990`, and `27, 20.849, 260.327` is the 20% darker color. If you saturate the color by 10%, you get `44, 25.370, 263.154`, and if you desaturate by 10%, it is `50, 16.436, 258.241`.

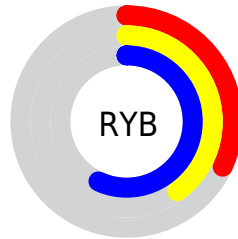
Distribution



Red (32%)

Green (45%)

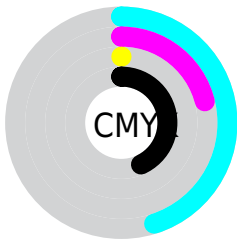
Blue (57%)



Red (32%)

Yellow (40%)

Blue (57%)

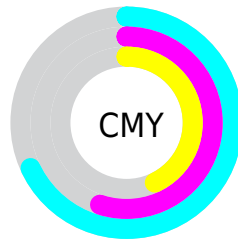


Cyan (45%)

Magenta (21%)

Yellow (0%)

Black (43%)



Cyan (68%)

Magenta (55%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 20.966, 260.488 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 47, 20.966, 260.488 by changing the saturation by 10% instead.

 47, 20.966,
260.488

 47, 20.966,
260.488

 100, 20.966,
260.488

 37, 20.966,
260.488

 67, 20.966,
260.488

 27, 20.966,
260.488

 77, 20.966,
260.488

 17, 20.966,
260.488

 87, 20.966,
260.488

 7, 20.966, 260.488

 97, 20.966,
260.488

 0, 20.966, 260.488

 47, 20.966,

 47, 20.966,

260.488

260.488

■ 44, 25.370,
263.154

■ 50, 16.436,
258.241

■ 41, 29.657,
266.290

■ 53, 11.792,
256.359

■ 39, 33.857,
269.919

■ 56, 7.050, 254.788

■ 36, 38.028,
274.010

■ 59, 2.233, 253.541

■ 62, 2.638, 72.152

■ 34, 42.251,
278.447

■ 65, 7.543, 71.258

■ 32, 44.620,
280.739

■ 68, 12.465, 70.441

■ 71, 17.388, 69.727

■ 75, 22.300, 69.101

Harmonies

Complementary

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



47, 20.966, 260.488



50, 24.208, 67.638

Rectangle

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



47, 20.966, 260.488



47, 20.966, 310.488



47, 20.966, 80.488



47, 20.966, 130.488

Sweetspot

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



47, 20.965, 260.487



72, 7.765, 254.602



55, 31.503, 157.595



37, 5.408, 254.886



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



47, 20.965, 260.487



57, 30.960, 263.303



38, 38.621, 294.940



30, 2.774, 254.065



31, 42.600, 280.475



1, 2.441, 252.872

Inverse Universe

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



43, 32.633, 346.706



51, 48.057, 348.142



59, 34.676, 104.520



29, 4.132, 343.105



29, 53.991, 358.767



1, 3.577, 342.418

Previews

White Background



This preview shows how the CIE LCh color 47, 20.966, 260.488 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 47, 20.966, 260.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

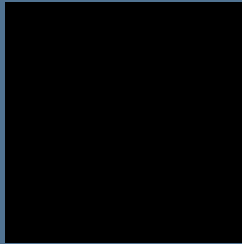
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

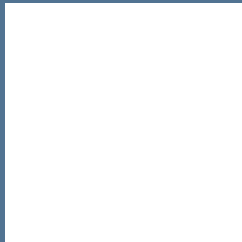
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 20.966, 260.488

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.966, 260.488.

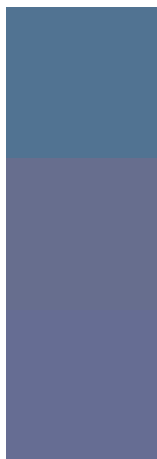


This preview shows how white text looks on a background with the CIELCh color 47, 20.966, 260.488.

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

47, 20.966, 260.488

Protanopia

47, 19.044, 285.219

Deuteranopia

47, 22.580, 287.020



Tritanopia
47, 15.528, 220.574

Trichromacy



Original Color
47, 20.966, 260.488

Protanomaly
47, 19.051, 274.625

Deuteranomaly
47, 21.866, 277.737

Tritanomaly
47, 16.314, 236.661

Monochromacy



Original Color
47, 20.966, 260.488

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.354, 258.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.966, 260.488 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(81, 115, 146)` looks like.

```
.text, #text, p{  
    color:rgb(81, 115, 146)  
}
```

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(81, 115, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 115, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.966, 260.488 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(81, 115, 146) }
```

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

```
.border{ border-color:rgb(81, 115, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 115, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 115, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 115, 146);  
box-shadow:4px 4px 4px 4px rgb(81, 115,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.966, 260.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 115, 146) }
```

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

```
.background{ background-color: rgb(81, 115,  
146) }
```

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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