

Converting Colors

CIELCh(50, 27.198, 258.483)

Have a look what the booklet for
CIELCh(50, 27.198, 258.483)
contains.

CIELCh(50, 27.213, 258.587)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 27.213, 258.587)

Conversions

Conversions Part 1

Format	Color
Hex	487CA4
RGB	72, 124, 164
RGB Percent	28%, 49%, 64%
CMY	0.7183, 0.5144, 0.3575
CMYK	0.56, 0.24, 0.00, 0.36
HSL	206°, 39%, 46%
HSV	206°, 56%, 64%
XYZ	16.5310, 18.4187, 37.7227
YIQ	113.0120, -43.8320, 1.4160

Conversions

Conversions Part 2

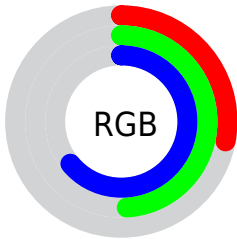
Format	Color
R _Y B	72, 105, 164
Decimal	4750500
CIE Lab	50.00, -5.38, -26.67
CIE LCh	50, 27.213, 258.587
Yxy	18.4187, 0.2275, 0.2534
Android (android.graphics.Color)	4282940580 (0xFF487CA4)
YUV	113.0120, 25.1371, -35.9675
Hunter-Lab	42.9170, -6.3492, -22.0722

Details

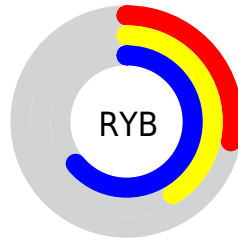
The CIELCh color **50, 27.213, 258.587** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **52, 34.387, 62.032**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 27.286, 259.061**, and **30, 27.359, 259.172** is the 20% darker color. If you saturate the color by 10%, you get **47, 31.441, 261.848**, and if you desaturate by 10%, it is **53, 22.781, 255.841**.

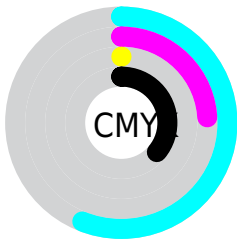
Distribution



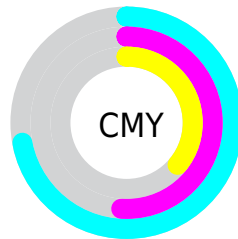
- Red (28%)
- Green (49%)
- Blue (64%)



- Red (28%)
- Yellow (41%)
- Blue (64%)



- Cyan (56%)
- Magenta (24%)
- Yellow (0%)
- Black (36%)



- Cyan (72%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 27.213, 258.587 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 50, 27.213, 258.587 by changing the saturation by 10% instead.

■ 50, 27.213,
258.587

■ 50, 27.213,
258.587

■ 100, 27.213,
258.587

■ 40, 27.213,
258.587

■ 70, 27.213,
258.587

■ 30, 27.213,
258.587

■ 80, 27.213,
258.587

■ 20, 27.213,
258.587

■ 90, 27.213,
258.587

■ 10, 27.213,
258.587

■ 0, 27.213, 258.587

■ 50, 27.213,
258.587

■ 50, 27.213,
258.587

47, 31.441,
261.848

53, 22.781,
255.841

44, 35.504,
265.652

56, 18.144,
253.553

42, 39.474,
269.970

59, 13.317,
251.656

40, 43.460,
274.660

62, 8.328, 250.090

39, 45.048,
276.387

65, 3.209, 248.840

69, 2.009, 67.444

72, 7.299, 66.643

75, 12.634, 65.873

78, 17.995, 65.205

Harmonies

Complementary

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



50, 27.213, 258.587



52, 34.387, 62.032

Rectangle

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



50, 27.213, 258.587



50, 27.213, 308.587



50, 27.213, 78.587



50, 27.213, 128.587

Sweetspot

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



50, 27.212, 258.587



79, 10.885, 250.257



61, 43.981, 154.387



41, 7.252, 250.534



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



50, 27.212, 258.587



60, 39.444, 262.604



37, 52.772, 296.133



33, 2.929, 249.187



34, 40.904, 275.850



2, 4.751, 254.103

Inverse Universe

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



44, 45.406, 345.854



53, 64.699, 347.746



64, 45.859, 101.739



32, 4.617, 340.959



31, 56.867, 355.217



1, 6.857, 343.000

Previews

White Background



This preview shows how the CIELCh color 50, 27.213, 258.587 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 27.213, 258.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

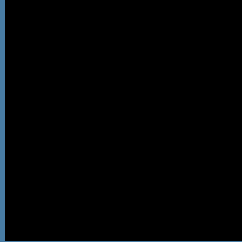
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

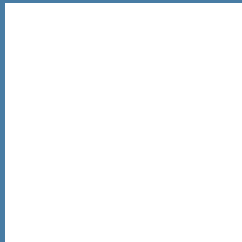
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 27.213, 258.587

Background



This preview shows how black text looks on a background with the CIELCh color 50, 27.213, 258.587.

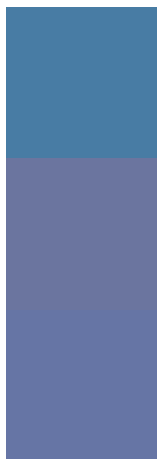


This preview shows how white text looks on a background with the CIELCh color 50, 27.213, 258.587.

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
50, 27.213, 258.587

Protanopia
50, 24.707, 285.445

Deuteranopia
50, 28.332, 283.827



Tritanopia
50, 21.566, 214.990

Trichromacy



Original Color
50, 27.213, 258.587

Protanomaly
50, 25.530, 274.858

Deuteranomaly
50, 27.925, 275.200

Tritanomaly
50, 22.019, 234.048

Monochromacy



Original Color
50, 27.213, 258.587

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 10.625, 250.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 27.213, 258.587 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(72, 124, 164)` looks like.

```
.text, #text, p{  
    color:rgb(72, 124, 164)  
}
```

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(72, 124, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 124, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 27.213, 258.587 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(72, 124, 164) }
```

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

```
.border{ border-color:rgb(72, 124, 164) }
```

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

Here you see how a box with a 4 pixel rgb(72, 124, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 124, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 124, 164);  
box-shadow:4px 4px 4px 4px rgb(72, 124,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 27.213, 258.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 124, 164) }
```

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

```
.background{ background-color: rgb(72, 124,  
164) }
```

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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