

Converting Colors

CIELCh(50, 20.305, 302.302)

Have a look what the booklet for
CIELCh(50, 20.305, 302.302)
contains.

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Color

CIELCh(50, 20.275, 302.017)

Conversions

Conversions Part 1

Format	Color
Hex	7B7294
RGB	123, 114, 148
RGB Percent	48%, 45%, 58%
CMY	0.5172, 0.5525, 0.4192
CMYK	0.17, 0.23, 0.00, 0.42
HSL	256°, 14%, 51%
HSV	256°, 23%, 58%
XYZ	19.5667, 18.4187, 30.5862
YIQ	120.5670, -5.5500, 12.4820

Conversions

Conversions Part 2

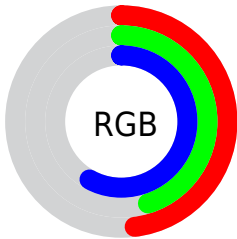
Format	Color
R_{YB}	123, 114, 148
Decimal	8090260
CIE _{Lab}	50.00, 10.75, -17.19
CIE _{LCh}	50, 20.275, 302.017
Yxy	18.4187, 0.2853, 0.2686
Android (android.graphics.Color)	4286280340 (0xFF7B7294)
YUV	120.5670, 13.5245, 2.1337
Hunter-Lab	42.9170, 6.2772, -12.2131

Details

The CIELCh color $50, 20.275, 302.017$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 19.374, 119.101$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 20.128, 302.125$, and $30, 20.193, 302.412$ is the 20% darker color. If you saturate the color by 10%, you get $45, 29.616, 302.842$, and if you desaturate by 10%, it is $55, 11.243, 301.283$.

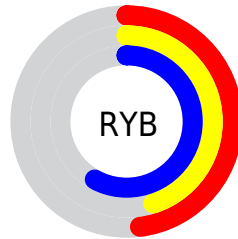
Distribution



Red (48%)

Green (45%)

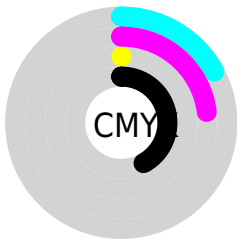
Blue (58%)



Red (48%)

Yellow (45%)

Blue (58%)

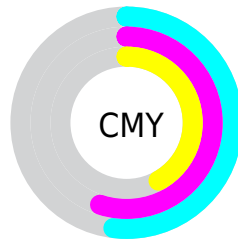


Cyan (17%)

Magenta (23%)

Yellow (0%)

Black (42%)



Cyan (52%)


Magenta (55%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.275, 302.017 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, 20.275, 302.017 by changing the saturation by 10% instead.


 50, 20.275,
302.017


 50, 20.275,
302.017


 100, 20.275,
302.017


 40, 20.275,
302.017


 70, 20.275,
302.017

 30, 20.275,
302.017


 80, 20.275,
302.017


 20, 20.275,
302.017

 90, 20.275,
302.017

 10, 20.275,
302.017

 0, 20.275, 302.017

 50, 20.275,
302.017

 50, 20.275,
302.017

45, 29.616,
302.842

55, 11.243,
301.283

40, 39.238,
303.757

60, 2.527, 300.631

35, 49.054,
304.742

65, 5.884, 120.088

31, 58.870,
305.753

70, 14.002,
119.599

26, 68.309,
306.706

75, 21.845,
119.178

23, 76.715,
307.463

79, 29.430,
118.815

20, 83.176,
307.845

84, 36.771,
118.502

18, 86.930,
308.044

89, 43.886,
118.233

94, 50.787,
118.002

Harmonies

Complementary

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



50, 20.275, 302.017



60, 19.374, 119.101

Rectangle

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



50, 20.275, 302.017



50, 20.275, 352.017



50, 20.275, 122.017



50, 20.275, 172.017

Sweetspot

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



50, 20.274, 302.016



74, 7.488, 300.897



56, 10.314, 226.895



38, 4.855, 300.929



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



50, 20.274, 302.016



61, 31.092, 302.469



52, 22.078, 318.255



29, 4.864, 301.030



17, 82.373, 308.100



0, 4.191, 300.467

Inverse Universe

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



52, 19.662, 334.407



64, 29.868, 334.811



59, 21.781, 136.228



29, 4.799, 333.454



30, 60.012, 341.934



1, 4.169, 332.895

Previews

White Background



This preview shows how the CIE LCh color 50, 20.275, 302.017 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, 20.275, 302.017 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, 20.275, 302.017

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.275, 302.017.



This preview shows how white text looks on a background with the CIELCh color 50, 20.275, 302.017.

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, 20.275, 302.017

Protanopia

50, 19.392, 285.331

Deuteranopia

50, 18.146, 291.354



Tritanopia
50, 5.293, 295.106

Trichromacy



Original Color
50, 20.275, 302.017

Protanomaly
50, 19.315, 290.521

Deuteranomaly
50, 18.804, 295.875

Tritanomaly
50, 10.629, 297.708

Monochromacy



Original Color
50, 20.275, 302.017

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 7.787, 302.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.275, 302.017 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(123, 114, 148)` looks like.

```
.text, #text, p{  
    color:rgb(123, 114, 148)  
}
```

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(123, 114, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 114, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.275, 302.017 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(123, 114, 148) }
```

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

```
.border{ border-color:rgb(123, 114, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 114, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 114, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 114, 148);  
box-shadow:4px 4px 4px 4px rgb(123, 114,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.275, 302.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 114, 148) }
```

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

```
.background{ background-color: rgb(123,  
114, 148) }
```

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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