

Converting Colors

CIELCh(50, 19.959, 272.370)

Have a look what the booklet for
CIELCh(50, 19.959, 272.370)
contains.

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Color

CIELCh(50, 20.205, 272.953)

Conversions

Conversions Part 1

Format	Color
Hex	647899
RGB	100, 120, 153
RGB Percent	39%, 47%, 60%
CMY	0.6081, 0.5297, 0.4003
CMYK	0.35, 0.22, 0.00, 0.40
HSL	217°, 21%, 50%
HSV	217°, 35%, 60%
XYZ	17.6992, 18.4187, 32.7269
YIQ	117.7820, -22.5130, 6.0230

Conversions

Conversions Part 2

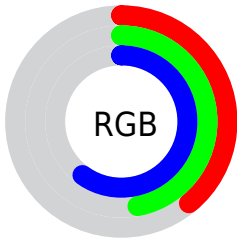
Format	Color
R_{YB}	100, 115, 153
Decimal	6584473
CIE _{Lab}	50.00, 1.04, -20.18
CIE _{LCh}	50, 20.205, 272.953
Yxy	18.4187, 0.2571, 0.2675
Android (android.graphics.Color)	4284774553 (0xFF647899)
YUV	117.7820, 17.3625, -15.5948
Hunter-Lab	42.9170, -1.4901, -15.1705

Details

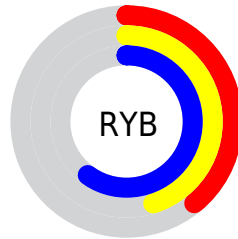
The CIELCh color $50, 20.205, 272.953$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 20.763, 82.995$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 20.080, 272.670$, and $30, 20.099, 272.985$ is the 20% darker color. If you saturate the color by 10%, you get $46, 26.159, 275.169$, and if you desaturate by 10%, it is $54, 14.308, 271.056$.

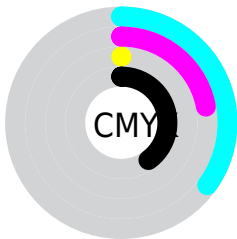
Distribution



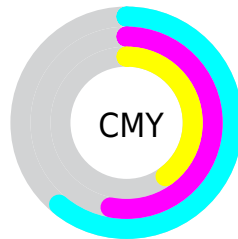
- Red (39%)
- Green (47%)
- Blue (60%)



- Red (39%)
- Yellow (45%)
- Blue (60%)



- Cyan (35%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (61%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 20.205, 272.953 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, 20.205, 272.953 by changing the saturation by 10% instead.

■ 50, 20.205,
272.953

■ 50, 20.205,
272.953

■ 100, 20.205,
272.953

■ 40, 20.205,
272.953

■ 70, 20.205,
272.953

■ 30, 20.205,
272.953

■ 80, 20.205,
272.953

■ 20, 20.205,
272.953

■ 90, 20.205,
272.953

■ 10, 20.205,
272.953

■ 0, 20.205, 272.953

■ 50, 20.205,
272.953

■ 50, 20.205,
272.953

46, 26.159,
275.169

54, 14.308,
271.056

43, 32.186,
277.746

58, 8.466, 269.441

39, 38.310,
280.708

61, 2.680, 268.102

65, 3.047, 86.742

35, 44.566,
284.041

69, 8.709, 85.746

32, 50.982,
287.677

73, 14.302, 84.846

77, 19.821, 84.050

29, 57.548,
291.465

80, 25.264, 83.345

28, 61.114,
293.349

84, 30.627, 82.716

Harmonies

Complementary

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



50, 20.205, 272.953



57, 20.763, 82.995

Rectangle

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



50, 20.205, 272.953



50, 20.205, 322.953



50, 20.205, 92.953



50, 20.205, 142.953

Sweetspot

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



50, 20.204, 272.952



75, 7.144, 268.804



59, 22.856, 167.067



39, 4.864, 268.982



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 20.204, 272.952



60, 30.454, 274.739



45, 31.801, 298.185



30, 3.259, 268.673



25, 56.909, 293.036



1, 3.533, 267.993

Inverse Universe

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



49, 24.493, 354.504



59, 36.874, 355.695



62, 29.303, 112.082



30, 3.873, 351.595



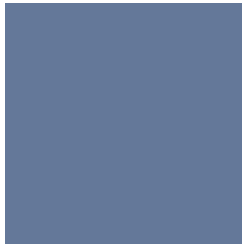
29, 54.448, 12.539



1, 4.109, 351.224

Previews

White Background



This preview shows how the CIE LCh color 50, 20.205, 272.953 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, 20.205, 272.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

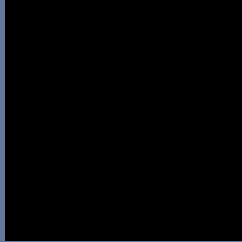
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

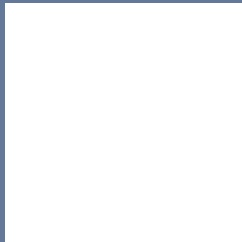
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 20.205, 272.953

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.205, 272.953.

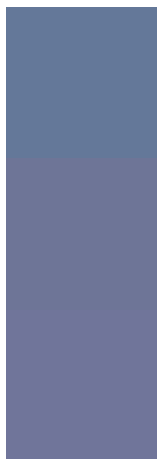


This preview shows how white text looks on a background with the CIELCh color 50, 20.205, 272.953.

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, 20.205, 272.953

Protanopia

50, 19.998, 285.667

Deuteranopia

50, 21.681, 288.317



Tritanopia
50, 11.542, 229.166

Trichromacy



Original Color
50, 20.205, 272.953

Protanomaly
50, 20.199, 280.843

Deuteranomaly
50, 21.235, 283.492

Tritanomaly
50, 13.511, 250.390

Monochromacy



Original Color
50, 20.205, 272.953

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.587, 267.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.205, 272.953 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(100, 120, 153)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 153)  
}
```

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(100, 120, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.205, 272.953 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(100, 120, 153) }
```

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

```
.border{ border-color:rgb(100, 120, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 120, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 120, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 120, 153);  
box-shadow:4px 4px 4px 4px rgb(100, 120,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.205, 272.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 120, 153) }
```

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

```
.background{ background-color: rgb(100,  
120, 153) }
```

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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