

Converting Colors

CIELCh(50, 21.507, 293.551)

Have a look what the booklet for
CIELCh(50, 21.507, 293.551)
contains.

CIELCh(50, 21.092, 292.858)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 21.092, 292.858)

Conversions

Conversions Part 1

Format	Color
Hex	747498
RGB	116, 116, 152
RGB Percent	45%, 45%, 60%
CMY	0.5457, 0.5457, 0.4046
CMYK	0.24, 0.24, 0.00, 0.40
HSL	240°, 15%, 52%
HSV	240°, 24%, 60%
XYZ	19.0629, 18.4187, 32.1858
YIQ	120.1040, -11.5560, 11.1960

Conversions

Conversions Part 2

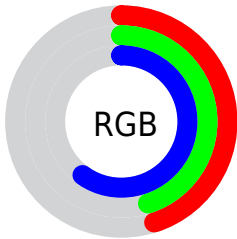
Format	Color
R _Y B	116, 116, 152
Decimal	7632024
CIE Lab	50.00, 8.19, -19.44
CIE LCh	50, 21.092, 292.858
Yxy	18.4187, 0.2736, 0.2644
Android (android.graphics.Color)	4285822104 (0xFF747498)
YUV	120.1040, 15.7247, -3.5992
Hunter-Lab	42.9170, 4.1817, -14.4230

Details

The CIELCh color `50, 21.092, 292.858` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `62, 19.979, 107.938`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 20.847, 293.168`, and `30, 21.138, 292.989` is the 20% darker color. If you saturate the color by 10%, you get `45, 30.617, 294.329`, and if you desaturate by 10%, it is `55, 11.952, 291.602`.

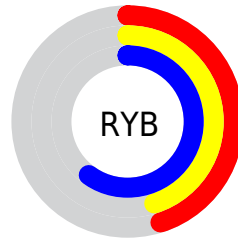
Distribution



Red (45%)

Green (45%)

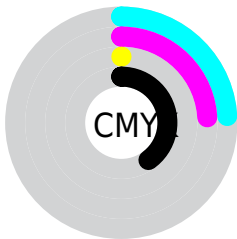
Blue (60%)



Red (45%)

Yellow (45%)

Blue (60%)

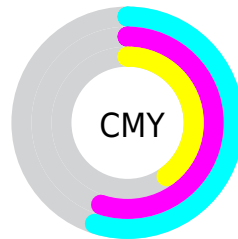


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (40%)



Cyan (55%)


Magenta (55%)


Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 21.092, 292.858 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, 21.092, 292.858 by changing the saturation by 10% instead.


 50, 21.092,
292.858


 50, 21.092,
292.858


 100, 21.092,
292.858


 40, 21.092,
292.858


 70, 21.092,
292.858

 30, 21.092,
292.858


 80, 21.092,
292.858


 20, 21.092,
292.858

 90, 21.092,
292.858

 10, 21.092,
292.858

 0, 21.092, 292.858

 50, 21.092,
292.858

 50, 21.092,
292.858

45, 30.617,
294.329

55, 11.952,
291.602

39, 40.543,
296.037

61, 3.174, 290.545

34, 50.837,
297.978

66, 5.269, 109.609

29, 61.344,
300.097

71, 13.403,
108.838

24, 71.638,
302.254

77, 21.250,
108.175

21, 80.813,
304.193

82, 28.829,
107.604

18, 87.494,
305.589

87, 36.157,
107.111

17, 90.876,
306.286

92, 43.252,
106.683

97, 50.128,
106.310

Harmonies

Complementary

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



50, 21.092, 292.858



62, 19.979, 107.938

Rectangle

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



50, 21.092, 292.858



50, 21.092, 342.858



50, 21.092, 112.858



50, 21.092, 162.858

Sweetspot

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



50, 21.091, 292.857



75, 7.435, 290.885



60, 13.028, 196.737



39, 4.874, 290.939



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, 21.091, 292.857



61, 31.028, 293.541



52, 22.031, 309.602



29, 4.917, 291.104



15, 85.760, 306.286



0, 5.229, 290.174

Inverse Universe

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



52, 15.151, 21.134



64, 22.469, 21.648



61, 21.317, 127.413



30, 3.439, 19.889



28, 66.110, 39.046



1, 3.595, 19.397

Previews

White Background



This preview shows how the CIELCh color 50, 21.092, 292.858 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, 21.092, 292.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

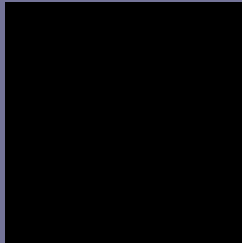
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 21.092, 292.858

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.092, 292.858.



This preview shows how white text looks on a background with the CIELCh color 50, 21.092, 292.858.

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, 21.092, 292.858

Protanopia

50, 20.580, 284.990

Deuteranopia

50, 20.502, 288.845



Tritanopia
50, 6.030, 260.300

Trichromacy



Original Color
50, 21.092, 292.858

Protanomaly
50, 21.101, 288.102

Deuteranomaly
50, 20.488, 289.818

Tritanomaly
50, 11.240, 282.070

Monochromacy



Original Color
50, 21.092, 292.858

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 8.198, 291.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.092, 292.858 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(116, 116, 152)` looks like.

```
.text, #text, p{  
    color:rgb(116, 116, 152)  
}
```

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(116, 116, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 116, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.092, 292.858 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(116, 116, 152) }
```

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

```
.border{ border-color:rgb(116, 116, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 116, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 116, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 116, 152);  
box-shadow:4px 4px 4px 4px rgb(116, 116,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.092, 292.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 116, 152) }
```

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

```
.background{ background-color: rgb(116,  
116, 152) }
```

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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