

Converting Colors

CIELCh(50, 23.090, 161.100)

Have a look what the booklet for
CIELCh(50, 23.090, 161.100)
contains.

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Color

CIELCh(50, 22.984, 161.306)

Conversions

Conversions Part 1

Format	Color
Hex	51816A
RGB	81, 129, 106
RGB Percent	32%, 51%, 42%
CMY	0.6832, 0.4950, 0.5851
CMYK	0.37, 0.00, 0.18, 0.49
HSL	151°, 23%, 41%
HSV	151°, 37%, 51%
XYZ	13.7868, 18.4187, 16.4066
YIQ	112.0260, -21.2250, -17.3290

Conversions

Conversions Part 2

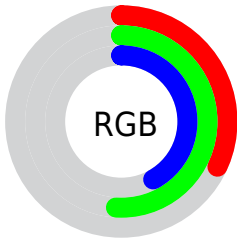
Format	Color
R_{YB}	81, 113, 129
Decimal	5341546
CIE _{Lab}	50.00, -21.77, 7.37
CIE _{LCh}	50, 22.984, 161.306
Yxy	18.4187, 0.2836, 0.3789
Android (android.graphics.Color)	4283531626 (0xFF51816A)
YUV	112.0260, -2.9708, -27.2098
Hunter-Lab	42.9170, -17.7625, 7.3761

Details

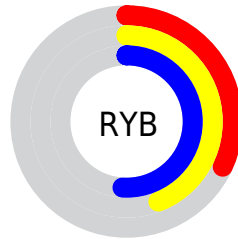
The CIELCh color **50, 22.984, 161.306** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **40, 24.123, 348.350**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 23.038, 161.170**, and **30, 22.672, 161.890** is the 20% darker color. If you saturate the color by 10%, you get **49, 28.741, 160.096**, and if you desaturate by 10%, it is **51, 16.973, 162.386**.

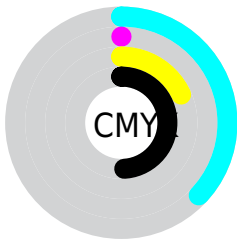
Distribution



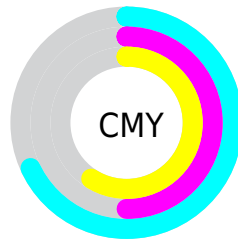
- Red (32%)
- Green (51%)
- Blue (42%)



- Red (32%)
- Yellow (44%)
- Blue (51%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (49%)





- Cyan (68%)
- Magenta (50%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 22.984, 161.306 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, 22.984, 161.306 by changing the saturation by 10% instead.


 50, 22.984,
161.306


 50, 22.984,
161.306


 100, 22.984,
161.306


 40, 22.984,
161.306


 70, 22.984,
161.306

 30, 22.984,
161.306


 80, 22.984,
161.306


 20, 22.984,
161.306

 90, 22.984,
161.306

 10, 22.984,
161.306

 0, 22.984, 161.306

 50, 22.984,
161.306

 50, 22.984,
161.306

■ 49, 28.741,
160.096

■ 51, 16.973,
162.386

■ 49, 34.141,
158.736

■ 52, 10.798,
163.361

■ 48, 39.095,
157.203

■ 53, 4.547, 164.273

■ 48, 43.528,
155.479

■ 54, 1.711, 344.828

■ 56, 7.920, 345.696

■ 47, 47.402,
153.557

■ 57, 14.036,
346.388

■ 47, 50.789,
151.508

■ 58, 20.030,
347.022

■ 47, 51.695,
150.983

■ 60, 25.880,
347.614

■ 62, 31.575,
348.169

Harmonies

Complementary

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



50, 22.984, 161.306



40, 24.123, 348.350

Rectangle

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



50, 22.984, 161.306



50, 22.984, 211.306



50, 22.984, 341.306



50, 22.984, 31.306

Sweetspot

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



50, 22.985, 161.305



67, 8.567, 163.911



51, 29.400, 127.982



35, 5.730, 163.812



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 22.985, 161.305



63, 34.121, 160.249



50, 16.693, 199.328



26, 3.498, 164.107



47, 51.298, 151.008



0, 0.000, 0.000

Inverse Universe

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



40, 24.123, 348.350



49, 36.130, 349.475



40, 21.497, 23.854



25, 3.544, 345.484



26, 50.657, 2.469



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 22.984, 161.306 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 CIE LCh color 50, 22.984, 161.306 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, 22.984, 161.306

Background



This preview shows how black text looks on a background with the CIELCh color 50, 22.984, 161.306.



This preview shows how white text looks on a background with the CIELCh color 50, 22.984, 161.306.

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, 22.984, 161.306

Protanopia
50, 10.904, 92.801

Deuteranopia
50, 8.550, 40.069



Tritanopia
50, 14.385, 222.345

Trichromacy



Original Color
50, 22.984, 161.306

Protanomaly
50, 12.872, 133.455

Deuteranomaly
49, 6.762, 127.071

Tritanomaly
50, 15.050, 193.343

Monochromacy



Original Color
50, 22.984, 161.306

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.339, 164.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 22.984, 161.306 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, 129, 106)` looks like.

```
.text, #text, p{  
    color:rgb(81, 129, 106)  
}
```

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, 129, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 129, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 22.984, 161.306 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, 129, 106) }
```

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

```
.border{ border-color:rgb(81, 129, 106) }
```

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

Here you see how a box with a 4 pixel rgb(81, 129, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 129, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 129, 106);  
box-shadow:4px 4px 4px 4px rgb(81, 129,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 22.984, 161.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 129, 106) }
```

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

```
.background{ background-color: rgb(81, 129,  
106) }
```

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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