

Converting Colors

CIELCh(50, 20.006, 236.365)

Have a look what the booklet for
CIELCh(50, 20.006, 236.365)
contains.

CIELCh(50, 20.005, 236.304)	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, 20.005, 236.304)

Conversions

Conversions Part 1

Format	Color
Hex	4B7E93
RGB	75, 126, 147
RGB Percent	29%, 49%, 58%
CMY	0.7072, 0.5071, 0.4248
CMYK	0.49, 0.14, 0.00, 0.42
HSL	197°, 33%, 43%
HSV	197°, 49%, 58%
XYZ	15.5363, 18.4187, 30.2046
YIQ	113.1450, -37.1370, -4.2810

Conversions

Conversions Part 2

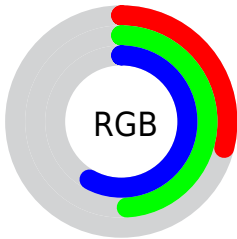
Format	Color
R _Y B	75, 105, 147
Decimal	4947603
CIE Lab	50.00, -11.10, -16.64
CIE LCh	50, 20.005, 236.304
Yxy	18.4187, 0.2422, 0.2871
Android (android.graphics.Color)	4283137683 (0xFF4B7E93)
YUV	113.1450, 16.6905, -33.4532
Hunter-Lab	42.9170, -10.4860, -11.6860

Details

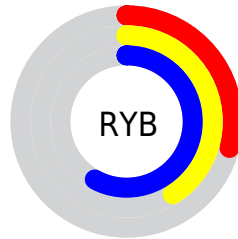
The CIELCh color **50, 20.005, 236.304** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **46, 27.460, 48.284**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 20.004, 235.646**, and **30, 19.894, 235.663** is the 20% darker color. If you saturate the color by 10%, you get **48, 23.087, 238.518**, and if you desaturate by 10%, it is **52, 16.524, 234.537**.

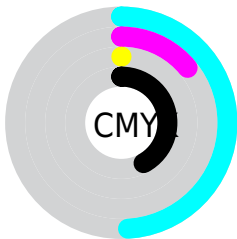
Distribution



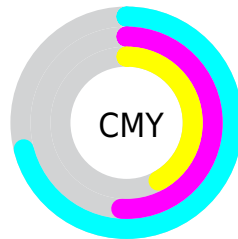
- Red (29%)
- Green (49%)
- Blue (58%)



- Red (29%)
- Yellow (41%)
- Blue (58%)



- Cyan (49%)
- Magenta (14%)
- Yellow (0%)
- Black (42%)





- Cyan (71%)
- Magenta (51%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.005, 236.304 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, 20.005, 236.304 by changing the saturation by 10% instead.


 50, 20.005,
236.304


 50, 20.005,
236.304


 100, 20.005,
236.304


 40, 20.005,
236.304


 70, 20.005,
236.304

 30, 20.005,
236.304


 80, 20.005,
236.304


 20, 20.005,
236.304

 90, 20.005,
236.304

 10, 20.005,
236.304

 0, 20.005, 236.304

 50, 20.005,
236.304

 50, 20.005,
236.304

■ 48, 23.087,
238.518

■ 52, 16.524,
234.537

■ 46, 25.748,
241.268

■ 54, 12.688,
233.143

■ 44, 27.996,
244.631

■ 56, 8.550, 232.051

■ 43, 29.885,
248.649

■ 59, 4.164, 231.230

■ 61, 0.422, 49.488

■ 41, 31.591,
253.118

■ 63, 5.161, 49.834

■ 41, 31.753,
253.512

■ 66, 10.016, 49.452

■ 68, 14.954, 49.137

■ 71, 19.950, 48.888

Harmonies

Complementary

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



50, 20.005, 236.304



46, 27.460, 48.284

Rectangle

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



50, 20.005, 236.304



50, 20.005, 286.304



50, 20.005, 56.304



50, 20.005, 106.304

Sweetspot

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



50, 20.004, 236.302



73, 8.417, 231.709



55, 40.187, 149.223



38, 5.762, 231.878



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, 20.004, 236.302



62, 28.476, 238.801



39, 34.540, 287.330



30, 2.605, 231.238



39, 30.256, 253.199



2, 2.321, 230.521

Inverse Universe

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



42, 40.246, 337.592



51, 58.414, 338.627



55, 32.548, 93.602



29, 4.708, 334.517



30, 58.962, 343.768



1, 4.088, 333.943

Previews

White Background



This preview shows how the CIE LCh color 50, 20.005, 236.304 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, 20.005, 236.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

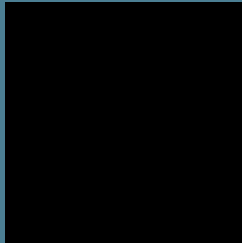
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.005, 236.304

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.005, 236.304.



This preview shows how white text looks on a background with the CIELCh color 50, 20.005, 236.304.

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, 20.005, 236.304

Protanopia

50, 14.085, 287.498

Deuteranopia

50, 19.344, 290.541



Tritanopia
50, 19.014, 217.676

Trichromacy



Original Color
50, 20.005, 236.304

Protanomaly
50, 14.978, 263.715

Deuteranomaly
50, 17.546, 268.974

Tritanomaly
50, 19.153, 223.352

Monochromacy



Original Color
50, 20.005, 236.304

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.160, 229.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.005, 236.304 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(75, 126, 147)` looks like.

```
.text, #text, p{  
    color:rgb(75, 126, 147)  
}
```

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(75, 126, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 126, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.005, 236.304 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(75, 126, 147) }
```

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

```
.border{ border-color:rgb(75, 126, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 126, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 126, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 126, 147);  
box-shadow:4px 4px 4px 4px rgb(75, 126,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.005, 236.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 126, 147) }
```

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

```
.background{ background-color: rgb(75, 126,  
147) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor