

Converting Colors

CIELCh(51, 20.092, 120.964)

Have a look what the booklet for
CIELCh(51, 20.092, 120.964)
contains.

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Color

CIELCh(51, 20.116, 121.236)

Conversions

Conversions Part 1

Format	Color
Hex	737E5C
RGB	115, 126, 92
RGB Percent	45%, 49%, 36%
CMY	0.5498, 0.5067, 0.6400
CMYK	0.09, 0.00, 0.27, 0.51
HSL	79°, 16%, 43%
HSV	79°, 27%, 49%
XYZ	16.4005, 19.2686, 12.9348
YIQ	118.8350, 4.3580, -12.9060

Conversions

Conversions Part 2

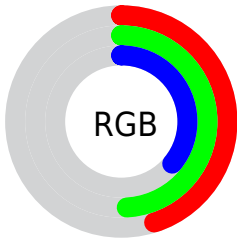
Format	Color
RYB	92, 126, 103
Decimal	7568988
CIELab	51.00, -10.43, 17.20
CIElCh	51, 20.116, 121.236
Yxy	19.2686, 0.3374, 0.3964
Android (android.graphics.Color)	4285759068 (0xFF737E5C)
YUV	118.8350, -13.2297, -3.3633
Hunter-Lab	43.8960, -10.1267, 13.2563

Details

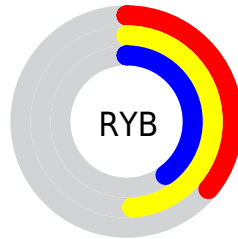
The CIELCh color $51, 20.116, 121.236$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $41, 21.139, 304.330$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 20.572, 121.578$, and $31, 19.990, 121.902$ is the 20% darker color. If you saturate the color by 10%, you get $50, 27.406, 120.701$, and if you desaturate by 10%, it is $52, 12.708, 121.786$.

Distribution



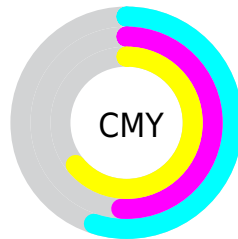
- Red (45%)
- Green (49%)
- Blue (36%)



- Red (36%)
- Yellow (49%)
- Blue (40%)



- Cyan (9%)
- Magenta (0%)
- Yellow (27%)
- Black (51%)





- Cyan (55%)
- Magenta (51%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 20.116, 121.236 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 51, 20.116, 121.236 by changing the saturation by 10% instead.


 51, 20.116,
121.236


 51, 20.116,
121.236


 100, 20.116,
121.236


 41, 20.116,
121.236


 71, 20.116,
121.236

 31, 20.116,
121.236


 81, 20.116,
121.236

 21, 20.116,
121.236

 91, 20.116,
121.236

 11, 20.116,
121.236

 1, 20.116, 121.236

 0, 20.116, 121.236

■ 51, 20.116,
121.236

■ 51, 20.116,
121.236

■ 50, 27.406,
120.701

■ 52, 12.708,
121.786

■ 50, 34.479,
120.201

■ 52, 5.242, 122.329

■ 49, 41.196,
119.782

■ 53, 2.232, 302.821

■ 54, 9.684, 303.326

■ 49, 47.356,
119.504

■ 54, 17.089,
303.788

■ 49, 52.691,
119.454

■ 55, 24.430,
304.218

■ 48, 56.890,
119.731

■ 56, 31.694,
304.616

■ 48, 59.918,
120.346

■ 57, 38.871,
304.983

■ 48, 60.799,

120.515

■ 58, 45.955,
305.319

Harmonies

Complementary

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



51, 20.116, 121.236



41, 21.139, 304.330

Rectangle

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



51, 20.116, 121.236



51, 20.116, 171.236



51, 20.116, 301.236



51, 20.116, 351.236

Sweetspot

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



51, 20.117, 121.238



66, 7.392, 122.266



45, 12.163, 51.840



34, 5.227, 122.196



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 20.117, 121.238



65, 29.393, 120.928



50, 22.900, 137.949



27, 4.256, 122.216



49, 61.400, 120.534



0, 0.000, 0.000

Inverse Universe

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



41, 21.139, 304.330



50, 31.255, 304.746



43, 23.148, 320.467



25, 4.329, 303.177



16, 77.062, 308.950



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 20.116, 121.236 looks on a white background.

Color Contrast Check

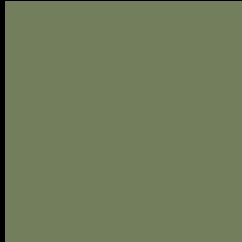
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 20.116, 121.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

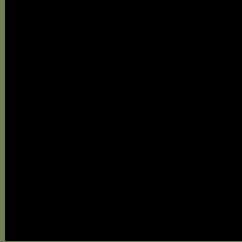
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 20.116, 121.236

Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.116, 121.236.



This preview shows how white text looks on a background with the CIELCh color 51, 20.116, 121.236.

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

51, 20.116, 121.236

Protanopia

51, 18.360, 95.326

Deuteranopia

51, 17.373, 66.950



Tritanopia
51, 5.257, 286.624

Trichromacy



Original Color
51, 20.116, 121.236

Protanomaly
51, 18.442, 106.415

Deuteranomaly
51, 16.533, 89.513

Tritanomaly
51, 4.560, 135.983

Monochromacy



Original Color
51, 20.116, 121.236

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.186, 122.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 20.116, 121.236 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(115, 126, 92)` looks like.

```
.text, #text, p{  
    color:rgb(115, 126, 92)  
}
```

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(115, 126, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 126, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 20.116, 121.236 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(115, 126, 92) }
```

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

```
.border{ border-color:rgb(115, 126, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 126, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 126, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 126, 92);  
box-shadow:4px 4px 4px 4px rgb(115, 126,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 20.116, 121.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 126, 92) }
```

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

```
.background{ background-color: rgb(115,  
126, 92) }
```

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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