

Converting Colors

CIELCh(51, 24.267, 115.812)

Have a look what the booklet for
CIELCh(51, 24.267, 115.812)
contains.

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Color

CIELCh(51, 24.339, 116.407)

Conversions

Conversions Part 1

Format	Color
Hex	757E54
RGB	117, 126, 84
RGB Percent	46%, 49%, 33%
CMY	0.5420, 0.5067, 0.6714
CMYK	0.07, 0.00, 0.33, 0.51
HSL	73°, 20%, 41%
HSV	73°, 33%, 49%
XYZ	16.3311, 19.2686, 11.2031
YIQ	118.5210, 8.1180, -14.9700

Conversions

Conversions Part 2

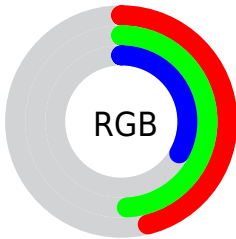
Format	Color
R_{YB}	84, 126, 93
Decimal	7700052
CIE _{Lab}	51.00, -10.82, 21.80
CIE _{LCh}	51, 24.339, 116.407
Yxy	19.2686, 0.3489, 0.4117
Android (android.graphics.Color)	4285890132 (0xFF757E54)
YUV	118.5210, -17.0189, -1.3339
Hunter-Lab	43.8960, -10.4089, 15.5953

Details

The CIELCh color $51, 24.339, 116.407$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $38, 26.142, 301.168$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 24.519, 116.293$, and $31, 24.347, 116.261$ is the 20% darker color. If you saturate the color by 10%, you get $51, 31.349, 115.795$, and if you desaturate by 10%, it is $51, 17.143, 117.052$.

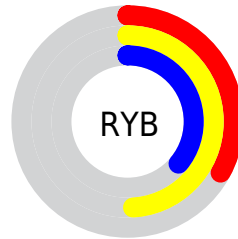
Distribution



Red (46%)

Green (49%)

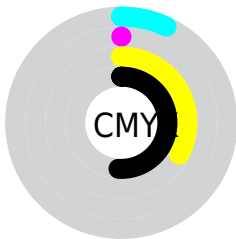
Blue (33%)



Red (33%)

Yellow (49%)

Blue (36%)

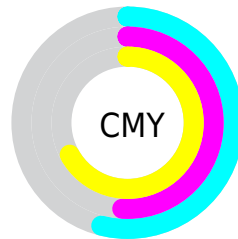


Cyan (7%)

Magenta (0%)

Yellow (33%)

Black (51%)



Cyan (54%)


Magenta (51%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 24.339, 116.407 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, 24.339, 116.407 by changing the saturation by 10% instead.


 51, 24.339,
116.407


 51, 24.339,
116.407


 100, 24.339,
116.407


 41, 24.339,
116.407


 71, 24.339,
116.407

 31, 24.339,
116.407

 81, 24.339,
116.407

 21, 24.339,
116.407

 91, 24.339,
116.407

 11, 24.339,
116.407

 1, 24.339, 116.407

 0, 24.339, 116.407

■ 51, 24.339,
116.407

■ 51, 24.339,
116.407

■ 51, 31.349,
115.795

■ 51, 17.143,
117.052

■ 50, 38.048,
115.242

■ 52, 9.839, 117.701

■ 53, 2.485, 118.341

■ 50, 44.257,
114.798

■ 53, 4.880, 298.950

■ 50, 49.727,
114.531

■ 54, 12.229,
299.541

■ 49, 54.152,
114.522

■ 54, 19.542,
300.099

■ 49, 57.258,
114.848

■ 55, 26.804,
300.624

■ 49, 59.019,
115.117

■ 56, 34.003,
301.116

■ 57, 41.131,
301.574

Harmonies

Complementary

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



51, 24.339, 116.407



38, 26.142, 301.168

Rectangle

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



51, 24.339, 116.407



51, 24.339, 166.407



51, 24.339, 296.407



51, 24.339, 346.407

Sweetspot

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



51, 24.340, 116.410



66, 9.100, 117.903



42, 16.137, 39.250



34, 6.177, 117.830



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, 24.340, 116.410



65, 35.858, 115.941



50, 27.262, 134.190



27, 4.191, 117.975



50, 59.603, 115.133



0, 0.000, 0.000

Inverse Universe

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



38, 26.142, 301.168



45, 39.275, 301.926



40, 27.921, 317.104



24, 4.272, 299.149



14, 78.435, 307.616



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 24.339, 116.407 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, 24.339, 116.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

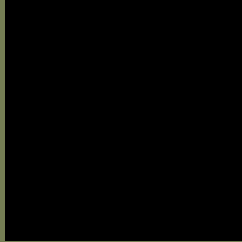
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

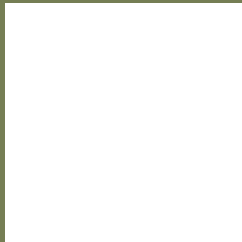
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 24.339, 116.407

Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.339, 116.407.



This preview shows how white text looks on a background with the CIELCh color 51, 24.339, 116.407.

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, 24.339, 116.407

Protanopia

51, 22.919, 95.903

Deuteranopia

51, 21.751, 72.286



Tritanopia
51, 5.971, 302.229

Trichromacy



Original Color
51, 24.339, 116.407

Protanomaly
51, 22.993, 103.844

Deuteranomaly
51, 21.214, 90.294

Tritanomaly
51, 5.243, 113.983

Monochromacy



Original Color
51, 24.339, 116.407

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 8.815, 117.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 24.339, 116.407 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(117, 126, 84)` looks like.

```
.text, #text, p{  
    color:rgb(117, 126, 84)  
}
```

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(117, 126, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 126, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 24.339, 116.407 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(117, 126, 84) }
```

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

```
.border{ border-color:rgb(117, 126, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 126, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 126, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 126, 84);  
box-shadow:4px 4px 4px 4px rgb(117, 126,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 24.339, 116.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 126, 84) }
```

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

```
.background{ background-color: rgb(117,  
126, 84) }
```

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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