

Converting Colors

CIELCh(41, 27.632, 105.602)

Have a look what the booklet for
CIELCh(41, 27.632, 105.602)
contains.

CIELCh(41, 27.646, 105.943)	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(41, 27.646, 105.943)

Conversions

Conversions Part 1

Format	Color
Hex	636334
RGB	99, 99, 52
RGB Percent	39%, 39%, 20%
CMY	0.6111, 0.6111, 0.7955
CMYK	0.00, 0.00, 0.47, 0.61
HSL	60°, 31%, 30%
HSV	60°, 47%, 39%
XYZ	10.2632, 11.8645, 5.0154
YIQ	93.6420, 15.0870, -14.6170

Conversions

Conversions Part 2

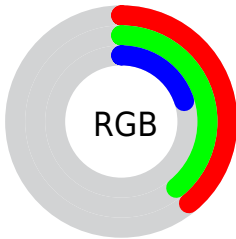
Format	Color
R_{YB}	52, 99, 52
Decimal	6513460
CIE Lab	41.00, -7.59, 26.58
CIE LCh	41, 27.646, 105.943
Yxy	11.8645, 0.3781, 0.4371
Android (android.graphics.Color)	4284703540 (0xFF636334)
YUV	93.6420, -20.5295, 4.6990
Hunter-Lab	34.4449, -7.0927, 15.4785

Details

The CIELCh color $41, 27.646, 105.943$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $24, 31.113, 296.347$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 27.652, 106.151$, and $21, 27.964, 106.112$ is the 20% darker color. If you saturate the color by 10%, you get $41, 32.953, 105.135$, and if you desaturate by 10%, it is $41, 22.047, 106.809$.

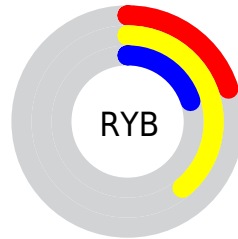
Distribution



Red (39%)

Green (39%)

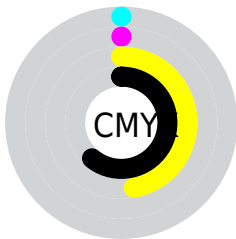
Blue (20%)



Red (20%)

Yellow (39%)

Blue (20%)

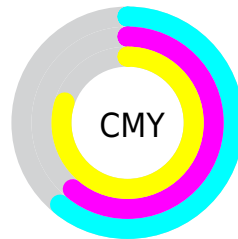


Cyan (0%)

Magenta (0%)

Yellow (47%)

Black (61%)



Cyan (61%)

Magenta (61%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 27.646, 105.943 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 41, 27.646, 105.943 by changing the saturation by 10% instead.


 41, 27.646,
105.943


 41, 27.646,
105.943


 100, 27.646,
105.943


 31, 27.646,
105.943

 61, 27.646,
105.943


 21, 27.646,
105.943

 71, 27.646,
105.943

 11, 27.646,
105.943

 81, 27.646,
105.943

 1, 27.646, 105.943

 91, 27.646,
105.943

 0, 27.646, 105.943

 41, 27.646,

 41, 27.646,

105.943

■ 41, 32.953,
105.135

■ 41, 37.804,
104.404

■ 41, 41.986,
103.785

■ 41, 45.248,
103.311

■ 41, 47.790,
102.947

■ 41, 48.480,
102.849

105.943

■ 41, 22.047,
106.809

■ 41, 16.265,
107.701

■ 42, 10.374,
108.606

■ 42, 4.423, 109.505

■ 42, 1.555, 290.431

■ 42, 7.538, 291.282

■ 43, 13.510,
292.124

■ 43, 19.462,
292.935

■ 44, 25.384,

Harmonies

Complementary

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



41, 27.646, 105.943



24, 31.113, 296.347

Rectangle

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



41, 27.646, 105.943



41, 27.646, 155.943



41, 27.646, 285.943



41, 27.646, 335.943

Sweetspot

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



41, 27.647, 105.946



54, 10.433, 108.876



28, 22.924, 22.821



28, 7.256, 108.732



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 27.647, 105.946



53, 40.781, 105.034



39, 29.704, 126.401



20, 3.284, 109.377



46, 52.898, 102.849



92, 92.472, 102.849

Inverse Universe

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



24, 31.113, 296.347



27, 47.760, 298.496



26, 31.774, 310.780



18, 3.349, 291.025



10, 73.042, 306.286



30, 127.690, 306.287

Previews

White Background



This preview shows how the CIELCh color 41, 27.646, 105.943 looks on a white 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

Black Background



This preview shows how the CIELCh color 41, 27.646, 105.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

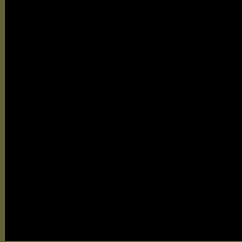
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

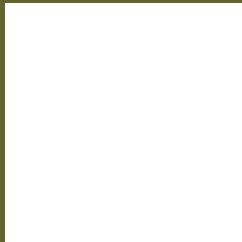
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 27.646, 105.943

Background



This preview shows how black text looks on a background with the CIELCh color 41, 27.646, 105.943.



This preview shows how white text looks on a background with the CIELCh color 41, 27.646, 105.943.

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

41, 27.646, 105.943

Protanopia

41, 27.638, 95.911

Deuteranopia

41, 26.364, 77.886



Tritanopia
41, 5.967, 334.867

Trichromacy



Original Color
41, 27.646, 105.943

Protanomaly
41, 27.850, 99.971

Deuteranomaly
41, 26.278, 89.130

Tritanomaly
41, 8.289, 90.310

Monochromacy



Original Color
41, 27.646, 105.943

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 10.272, 108.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 27.646, 105.943 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(99, 99, 52)` looks like.

```
.text, #text, p{  
    color:rgb(99, 99, 52)  
}
```

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(99, 99, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 99, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 27.646, 105.943 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(99, 99, 52) }
```

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

```
.border{ border-color:rgb(99, 99, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 99, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 99, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 99, 52);  
box-shadow:4px 4px 4px 4px rgb(99, 99, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 27.646, 105.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 99, 52) }
```

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

```
.background{ background-color: rgb(99, 99,  
52) }
```

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