

Converting Colors

CIELCh(44, 20.559, 106.870)

Have a look what the booklet for
CIELCh(44, 20.559, 106.870)
contains.

CIELCh(44, 20.625, 107.176)	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(44, 20.625, 107.176)

Conversions

Conversions Part 1

Format	Color
Hex	6A6A47
RGB	106, 106, 71
RGB Percent	42%, 42%, 28%
CMY	0.5842, 0.5841, 0.7214
CMYK	0.00, 0.00, 0.33, 0.58
HSL	60°, 20%, 35%
HSV	60°, 33%, 42%
XYZ	12.2452, 13.8382, 7.9931
YIQ	102.0100, 11.2350, -10.8850

Conversions

Conversions Part 2

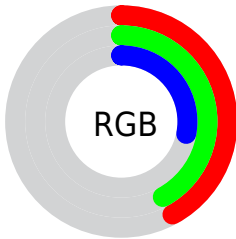
Format	Color
R_{YB}	71, 106, 71
Decimal	6974023
CIE Lab	44.00, -6.09, 19.71
CIE LCh	44, 20.625, 107.176
Yxy	13.8382, 0.3593, 0.4061
Android (android.graphics.Color)	4285164103 (0xFF6A6A47)
YUV	102.0100, -15.2879, 3.4992
Hunter-Lab	37.1997, -6.3417, 13.3001

Details

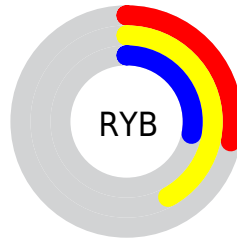
The CIELCh color $44, 20.625, 107.176$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $32, 22.255, 294.043$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 20.417, 106.783$, and $24, 20.476, 107.188$ is the 20% darker color. If you saturate the color by 10%, you get $44, 26.635, 106.295$, and if you desaturate by 10%, it is $44, 14.459, 108.086$.

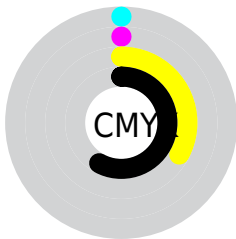
Distribution



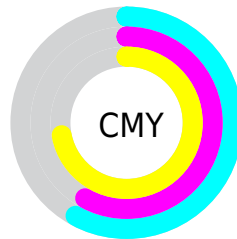
- Red (42%)
- Green (42%)
- Blue (28%)



- Red (28%)
- Yellow (42%)
- Blue (28%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (58%)





- Cyan (58%)
- Magenta (58%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 20.625, 107.176 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 44, 20.625, 107.176 by changing the saturation by 10% instead.


 44, 20.625,
107.176


 44, 20.625,
107.176


 100, 20.625,
107.176


 34, 20.625,
107.176

 64, 20.625,
107.176


 24, 20.625,
107.176

 74, 20.625,
107.176

 14, 20.625,
107.176

 84, 20.625,
107.176

 4, 20.625, 107.176

 94, 20.625,
107.176

 0, 20.625, 107.176

 44, 20.625,

 44, 20.625,

107.176

■ 44, 26.635,
106.295

■ 44, 32.384,
105.454

■ 44, 37.724,
104.682

■ 43, 42.446,
104.011

■ 43, 46.291,
103.474

■ 43, 49.049,
103.096

■ 43, 50.825,
102.855

107.176

■ 44, 14.459,
108.086

■ 44, 8.201, 108.998

■ 45, 1.896, 109.889

■ 45, 4.427, 290.810

■ 45, 10.747,
291.671

■ 46, 17.050,
292.506

■ 46, 23.327,
293.308

■ 47, 29.568,
294.073

■ 47, 35.767,

Harmonies

Complementary

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



44, 20.625, 107.176



32, 22.255, 294.043

Rectangle

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



44, 20.625, 107.176



44, 20.625, 157.176



44, 20.625, 287.176



44, 20.625, 337.176

Sweetspot

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



44, 20.626, 107.180



57, 7.815, 109.246



34, 16.197, 22.043



29, 5.291, 109.154



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



44, 20.626, 107.180



56, 30.757, 106.461



43, 22.156, 127.621



22, 3.573, 109.363



48, 54.603, 102.855



94, 93.960, 102.855

Inverse Universe

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



32, 22.255, 294.043



37, 33.970, 295.321



33, 23.143, 310.586



20, 3.646, 291.049



11, 75.396, 306.287



31, 129.741, 306.287

Previews

White Background



This preview shows how the CIELCh color 44, 20.625, 107.176 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 44, 20.625, 107.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

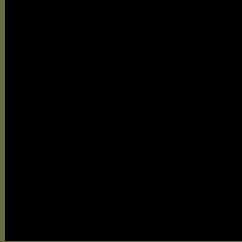
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

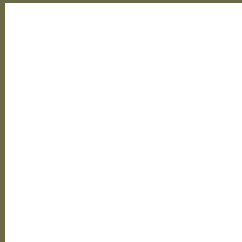
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 20.625, 107.176

Background



This preview shows how black text looks on a background with the CIELCh color 44, 20.625, 107.176.



This preview shows how white text looks on a background with the CIELCh color 44, 20.625, 107.176.

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

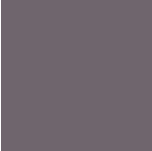
44, 20.625, 107.176

Protanopia

44, 20.555, 95.556

Deuteranopia

44, 20.279, 74.258



Tritanopia
44, 6.333, 331.025

Trichromacy



Original Color
44, 20.625, 107.176

Protanomaly
44, 20.787, 100.807

Deuteranomaly
44, 19.204, 86.366

Tritanomaly
44, 5.416, 81.163

Monochromacy



Original Color
44, 20.625, 107.176

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.172, 109.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 20.625, 107.176 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(106, 106, 71)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 71)  
}
```

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(106, 106, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 20.625, 107.176 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(106, 106, 71) }
```

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

```
.border{ border-color:rgb(106, 106, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 106, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 71);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 20.625, 107.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 71) }
```

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

```
.background{ background-color: rgb(106,  
106, 71) }
```

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