

Converting Colors

CIELCh(66, 20.645, 108.005)

Have a look what the booklet for
CIELCh(66, 20.645, 108.005)
contains.

CIELCh(66, 20.824, 107.966)	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(66, 20.824, 107.966)

Conversions

Conversions Part 1

Format	Color
Hex	A3A37D
RGB	163, 163, 125
RGB Percent	64%, 64%, 49%
CMY	0.3619, 0.3619, 0.5109
CMYK	0.00, 0.00, 0.23, 0.36
HSL	60°, 17%, 56%
HSV	60°, 23%, 64%
XYZ	31.7769, 35.3238, 24.4544
YIQ	158.6680, 12.1980, -11.8180

Conversions

Conversions Part 2

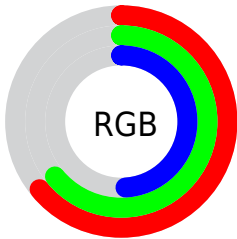
Format	Color
RYB	125, 163, 125
Decimal	10724221
CIELab	66.00, -6.42, 19.81
CIElCh	66, 20.824, 107.966
Yxy	35.3238, 0.3471, 0.3858
Android (android.graphics.Color)	4288914301 (0xFFA3A37D)
YUV	158.6680, -16.5983, 3.7992
Hunter-Lab	59.4338, -8.5725, 17.2085

Details

The CIELCh color $66, 20.824, 107.966$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $54, 21.972, 292.836$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 20.806, 108.402$, and $46, 20.476, 107.295$ is the 20% darker color. If you saturate the color by 10%, you get $66, 29.557, 107.028$, and if you desaturate by 10%, it is $66, 11.948, 108.921$.

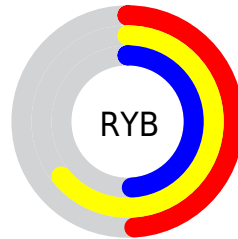
Distribution



Red (64%)

Green (64%)

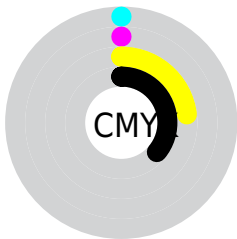
Blue (49%)



Red (49%)

Yellow (64%)

Blue (49%)

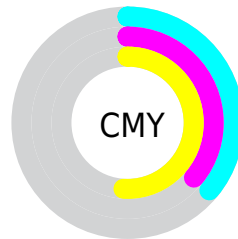


Cyan (0%)

Magenta (0%)

Yellow (23%)

Black (36%)



Cyan (36%)


Magenta (36%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 20.824, 107.966 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 66, 20.824, 107.966 by changing the saturation by 10% instead.


 66, 20.824,
107.966


 66, 20.824,
107.966


 100, 20.824,
107.966


 56, 20.824,
107.966


 86, 20.824,
107.966

 46, 20.824,
107.966

 96, 20.824,
107.966

 36, 20.824,
107.966

 26, 20.824,
107.966

 16, 20.824,
107.966

 6, 20.824, 107.966

 0, 20.824, 107.966

66, 20.824,
107.966

66, 20.824,
107.966

66, 29.557,
107.028

66, 11.948,
108.921

65, 38.031,
106.113

67, 2.996, 109.853

65, 46.079,
105.251

67, 5.983, 290.810

65, 53.449,
104.473

68, 14.959,
291.707

65, 59.794,
103.815

68, 23.910,
292.575

65, 64.702,
103.316

69, 32.820,
293.407

65, 67.830,
103.003

70, 41.676,
294.198

65, 69.249,

70, 50.470,
294.948

102.863

■ 70, 50.520,
294.953

Harmonies

Complementary

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



66, 20.824, 107.966



54, 21.972, 292.836

Rectangle

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



66, 20.824, 107.966



66, 20.824, 157.966



66, 20.824, 287.966



66, 20.824, 337.966

Sweetspot

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



66, 20.825, 107.970



84, 7.768, 109.507



56, 15.777, 21.118



45, 5.088, 109.455



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



66, 20.825, 107.970



84, 30.846, 107.480



65, 22.307, 128.020



34, 5.079, 109.306



58, 63.749, 102.863



5, 7.945, 110.186

Inverse Universe

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



54, 21.972, 292.836



65, 32.992, 293.571



55, 23.020, 310.152



31, 5.189, 291.124



16, 88.025, 306.288



0, 7.947, 290.184

Previews

White Background



This preview shows how the CIELCh color 66, 20.824, 107.966 looks on a white background.

Color Contrast Check

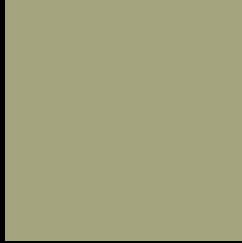
Large Text (above 18pt) WCAG AA × Fail

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 66, 20.824, 107.966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

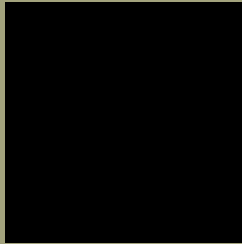
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

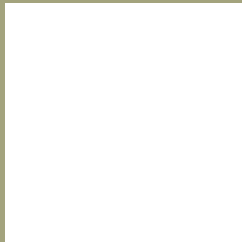
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 20.824, 107.966

Background



This preview shows how black text looks on a background with the CIELCh color 66, 20.824, 107.966.



This preview shows how white text looks on a background with the CIELCh color 66, 20.824, 107.966.

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


66, 20.824, 107.966

Protanopia

66, 20.328, 95.034

Deuteranopia

66, 20.535, 66.166



Tritanopia
66, 7.878, 322.499

Trichromacy



Original Color
66, 20.824, 107.966

Protanomaly
66, 20.527, 99.868

Deuteranomaly
66, 19.291, 81.292

Tritanomaly
66, 4.277, 70.170

Monochromacy



Original Color
66, 20.824, 107.966

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 7.731, 109.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 20.824, 107.966 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(163, 163, 125)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 125)  
}
```

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(163, 163, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 20.824, 107.966 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(163, 163, 125) }
```

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

```
.border{ border-color:rgb(163, 163, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 125);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 20.824, 107.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 125) }
```

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

```
.background{ background-color: rgb(163,  
163, 125) }
```

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