

Converting Colors

CIELCh(48, 20.093, 125.632)

Have a look what the booklet for
CIELCh(48, 20.093, 125.632)
contains.

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Color

CIELCh(48, 20.270, 126.203)

Conversions

Conversions Part 1

Format	Color
Hex	687756
RGB	104, 119, 86
RGB Percent	41%, 47%, 34%
CMY	0.5923, 0.5335, 0.6629
CMYK	0.13, 0.00, 0.28, 0.53
HSL	87°, 16%, 40%
HSV	87°, 28%, 47%
XYZ	13.9732, 16.7945, 11.3004
YIQ	110.7530, 1.6530, -13.4430

Conversions

Conversions Part 2

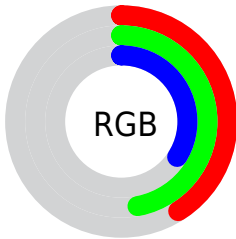
Format	Color
R _Y B	86, 119, 101
Decimal	6846294
CIE Lab	48.00, -11.97, 16.36
CIE LCh	48, 20.270, 126.203
Yxy	16.7945, 0.3322, 0.3992
Android (android.graphics.Color)	4285036374 (0xFF687756)
YUV	110.7530, -12.2032, -5.9224
Hunter-Lab	40.9810, -10.8542, 12.3377

Details

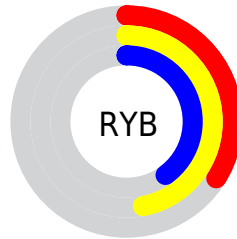
The CIELCh color $48, 20.270, 126.203$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $39, 21.108, 308.817$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 20.164, 126.610$, and $28, 20.843, 126.667$ is the 20% darker color. If you saturate the color by 10%, you get $47, 27.455, 125.734$, and if you desaturate by 10%, it is $49, 12.984, 126.679$.

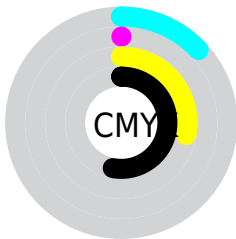
Distribution



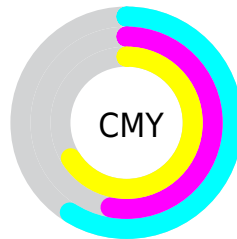
- Red (41%)
- Green (47%)
- Blue (34%)



- Red (34%)
- Yellow (47%)
- Blue (40%)



- Cyan (13%)
- Magenta (0%)
- Yellow (28%)
- Black (53%)





- Cyan (59%)
- Magenta (53%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 20.270, 126.203 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 48, 20.270, 126.203 by changing the saturation by 10% instead.


 48, 20.270,
126.203


 48, 20.270,
126.203


 100, 20.270,
126.203

 38, 20.270,
126.203

 68, 20.270,
126.203


 28, 20.270,
126.203

 78, 20.270,
126.203

 18, 20.270,
126.203

 88, 20.270,
126.203

 8, 20.270, 126.203

 98, 20.270,
126.203

 0, 20.270, 126.203

 48, 20.270,

 48, 20.270,

126.203

126.203

■ 47, 27.455,
125.734

■ 49, 12.984,
126.679

■ 47, 34.440,
125.294

■ 49, 5.658, 127.143

■ 46, 41.090,
124.929

■ 50, 1.657, 307.520

■ 51, 8.929, 307.957

■ 46, 47.214,
124.705

■ 52, 16.133,
308.331

■ 45, 52.555,
124.713

■ 53, 23.251,
308.670

■ 45, 56.822,
125.064

■ 54, 30.271,
308.978

■ 45, 60.084,
125.708

■ 55, 37.184,
309.256

■ 45, 60.824,
125.826

■ 56, 43.984,

Harmonies

Complementary

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



48, 20.270, 126.203



39, 21.108, 308.817

Rectangle

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



48, 20.270, 126.203



48, 20.270, 176.203



48, 20.270, 306.203



48, 20.270, 356.203

Sweetspot

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



48, 20.271, 126.205



63, 7.286, 127.121



44, 12.082, 66.773



33, 5.220, 127.062



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 20.271, 126.205



61, 29.967, 125.916



47, 23.431, 141.434



24, 4.069, 127.084



46, 62.108, 125.875



89, 106.147, 126.771

Inverse Universe

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



39, 21.108, 308.817



48, 31.513, 309.156



41, 23.495, 324.448



23, 4.126, 307.859



17, 72.896, 311.312



39, 124.355, 310.708

Previews

White Background



This preview shows how the CIELCh color 48, 20.270, 126.203 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 48, 20.270, 126.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

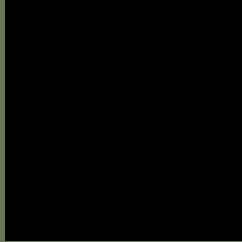
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 20.270, 126.203

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.270, 126.203.



This preview shows how white text looks on a background with the CIELCh color 48, 20.270, 126.203.

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


48, 20.270, 126.203

Protanopia

48, 17.887, 96.252

Deuteranopia

48, 16.519, 67.859



Tritanopia
48, 5.615, 270.659

Trichromacy



Original Color
48, 20.270, 126.203

Protanomaly
48, 18.053, 109.119

Deuteranomaly
48, 15.752, 93.398

Tritanomaly
48, 5.109, 155.184

Monochromacy



Original Color
48, 20.270, 126.203

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.511, 128.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.270, 126.203 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(104, 119, 86)` looks like.

```
.text, #text, p{  
    color:rgb(104, 119, 86)  
}
```

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(104, 119, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 119, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.270, 126.203 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(104, 119, 86) }
```

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

```
.border{ border-color:rgb(104, 119, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 119, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 119, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 119, 86);  
box-shadow:4px 4px 4px 4px rgb(104, 119,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.270, 126.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 119, 86) }
```

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

```
.background{ background-color: rgb(104,  
119, 86) }
```

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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