

Converting Colors

CIELCh(44, 20.742, 97.982)

Have a look what the booklet for
CIELCh(44, 20.742, 97.982) contains.

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Color

CIELCh(44, 20.460, 96.829)

Conversions

Conversions Part 1

Format	Color
Hex	706846
RGB	112, 104, 70
RGB Percent	44%, 41%, 27%
CMY	0.5601, 0.5914, 0.7248
CMYK	0.00, 0.07, 0.37, 0.56
HSL	49°, 23%, 36%
HSV	49°, 37%, 44%
XYZ	12.7851, 13.8382, 7.8198
YIQ	102.5160, 15.6820, -8.8780

Conversions

Conversions Part 2

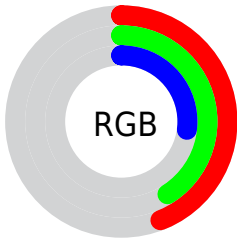
Format	Color
R_{YB}	80, 112, 70
Decimal	7366726
CIE Lab	44.00, -2.43, 20.31
CIE LCh	44, 20.460, 96.829
Yxy	13.8382, 0.3712, 0.4018
Android (android.graphics.Color)	4285556806 (0xFF706846)
YUV	102.5160, -16.0304, 8.3175
Hunter-Lab	37.1997, -3.7513, 13.5764

Details

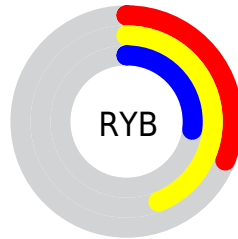
The CIELCh color **44, 20.460, 96.829** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **34, 21.429, 286.189**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 20.265, 97.266**, and **24, 20.232, 96.716** is the 20% darker color. If you saturate the color by 10%, you get **43, 25.858, 95.681**, and if you desaturate by 10%, it is **45, 14.992, 97.970**.

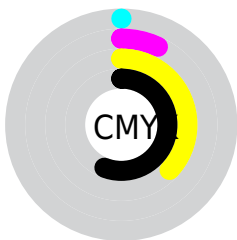
Distribution



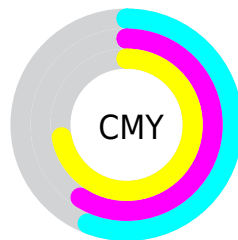
- Red (44%)
- Green (41%)
- Blue (27%)



- Red (31%)
- Yellow (44%)
- Blue (27%)



- Cyan (0%)
- Magenta (7%)
- Yellow (37%)
- Black (56%)





















- Cyan (56%)
- Magenta (59%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 20.460, 96.829 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, 20.460, 96.829 by changing the saturation by 10% instead.

 44, 20.460, 96.829	 44, 20.460, 96.829
 100, 20.460, 96.829	 34, 20.460, 96.829
 64, 20.460, 96.829	 24, 20.460, 96.829
 74, 20.460, 96.829	 14, 20.460, 96.829
 84, 20.460, 96.829	 4, 20.460, 96.829
 94, 20.460, 96.829	 0, 20.460, 96.829

 44, 20.460, 96.829	 44, 20.460, 96.829
 43, 25.858, 95.681	 45, 14.992, 97.970
 42, 31.089, 94.517	 46, 9.508, 99.082

42, 35.994, 93.346

47, 4.043, 100.156

41, 40.331, 92.163

48, 1.386, 281.306

40, 43.761, 90.946

49, 6.769, 282.266

40, 46.321, 89.704

49, 12.101,
283.235

39, 47.032, 89.406

51, 17.380,
284.165

52, 22.606,
285.053

53, 27.780,
285.897

Harmonies

Complementary

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



44, 20.460, 96.829



34, 21.429, 286.189

Rectangle

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



44, 20.460, 96.829



44, 20.460, 146.829



44, 20.460, 276.829



44, 20.460, 326.829

Sweetspot

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



44, 20.461, 96.833



59, 7.395, 99.750



35, 19.438, 7.438



31, 5.009, 99.642



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 20.461, 96.833



55, 30.340, 95.829



45, 25.126, 119.745



23, 3.054, 99.993



42, 49.272, 89.295



83, 83.733, 88.397

Inverse Universe

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



34, 21.429, 286.189



40, 32.282, 287.873



33, 27.031, 304.298



22, 3.089, 281.993



15, 65.456, 301.745



36, 117.258, 303.186

Previews

White Background



This preview shows how the CIELCh color 44, 20.460, 96.829 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, 20.460, 96.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

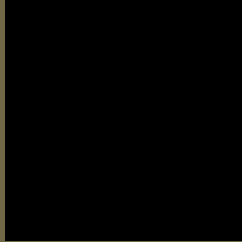
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 20.460, 96.829

Background



This preview shows how black text looks on a background with the CIELCh color 44, 20.460, 96.829.



This preview shows how white text looks on a background with the CIELCh color 44, 20.460, 96.829.

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, 20.460, 96.829

Protanopia

44, 20.555, 95.556

Deuteranopia

44, 20.790, 75.005



Tritanopia
44, 7.860, 348.308

Trichromacy



Original Color
44, 20.460, 96.829

Protanomaly
44, 20.555, 95.556

Deuteranomaly
44, 20.332, 83.165

Tritanomaly
44, 7.396, 59.889

Monochromacy



Original Color
44, 20.460, 96.829

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 7.278, 98.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 20.460, 96.829 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(112, 104, 70)` looks like.

```
.text, #text, p{  
    color:rgb(112, 104, 70)  
}
```

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(112, 104, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 104, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 20.460, 96.829 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(112, 104, 70) }
```

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

```
.border{ border-color:rgb(112, 104, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 104, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 104, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 104, 70);  
box-shadow:4px 4px 4px 4px rgb(112, 104,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 20.460, 96.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 104, 70) }
```

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

```
.background{ background-color: rgb(112,  
104, 70) }
```

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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