

Converting Colors

CIELCh(43, 20.010, 85.515)

Have a look what the booklet for
CIELCh(43, 20.010, 85.515) contains.

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Color

CIELCh(43, 20.010, 85.515)

Conversions

Conversions Part 1

Format	Color
Hex	746445
RGB	116, 100, 69
RGB Percent	45%, 39%, 27%
CMY	0.5466, 0.6092, 0.7308
CMYK	0.00, 0.14, 0.41, 0.55
HSL	40°, 25%, 36%
HSV	40°, 41%, 45%
XYZ	12.7383, 13.1578, 7.4428
YIQ	101.2500, 19.4870, -6.2490

Conversions

Conversions Part 2

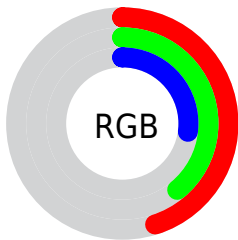
Format	Color
RYB	93, 116, 69
Decimal	7627845
CIELab	43.00, 1.56, 19.95
CIELCh	43, 20.010, 85.515
Yxy	13.1578, 0.3821, 0.3947
Android (android.graphics.Color)	4285817925 (0xFF746445)
YUV	101.2500, -15.8992, 12.9358
Hunter-Lab	36.2736, -0.7944, 13.2261

Details

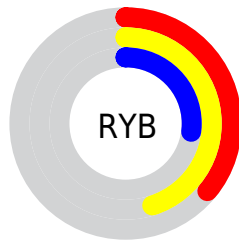
The CIELCh color **43, 20.010, 85.515** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 19.797, 277.011**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 19.901, 85.672**, and **23, 20.247, 85.686** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.109, 84.187**, and if you desaturate by 10%, it is **44, 14.948, 86.815**.

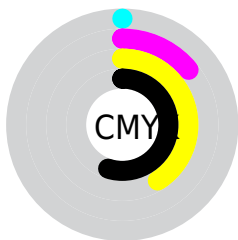
Distribution



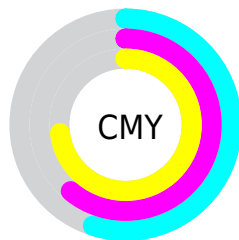
- Red (45%)
- Green (39%)
- Blue (27%)



- Red (36%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (14%)
- Yellow (41%)
- Black (55%)





















- Cyan (55%)
- Magenta (61%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 20.010, 85.515 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 43, 20.010, 85.515 by changing the saturation by 10% instead.

 43, 20.010, 85.515	 43, 20.010, 85.515
 100, 20.010, 85.515	 33, 20.010, 85.515
 63, 20.010, 85.515	 23, 20.010, 85.515
 73, 20.010, 85.515	 13, 20.010, 85.515
 83, 20.010, 85.515	 3, 20.010, 85.515
 93, 20.010, 85.515	 0, 20.010, 85.515

 43, 20.010, 85.515	 43, 20.010, 85.515
 42, 25.109, 84.187	 44, 14.948, 86.815
 40, 30.164, 82.807	 46, 9.964, 88.072

■ 39, 35.025, 81.356

■ 47, 5.075, 89.281

■ 38, 39.436, 79.779

■ 49, 0.287, 89.924

■ 37, 42.998, 77.973

■ 50, 4.402, 271.676

■ 36, 46.049, 76.292

■ 52, 8.995, 272.752

■ 53, 13.500,
273.793

■ 55, 17.923,
274.788

■ 56, 22.271,
275.737

Harmonies

Complementary

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



43, 20.010, 85.515



36, 19.797, 277.011

Rectangle

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



43, 20.010, 85.515



43, 20.010, 135.515



43, 20.010, 265.515



43, 20.010, 315.515

Sweetspot

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



43, 20.010, 85.520



60, 7.130, 89.082



35, 22.625, 357.064



31, 4.771, 88.967



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



43, 20.010, 85.520



54, 30.153, 84.235



47, 27.270, 113.188



24, 2.717, 89.464



38, 47.958, 76.106



74, 81.243, 74.391

Inverse Universe

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



36, 19.797, 277.011



43, 29.856, 279.195



32, 29.960, 299.845



23, 2.716, 271.726



20, 54.118, 294.849



43, 97.165, 296.902

Previews

White Background



This preview shows how the CIELCh color 43, 20.010, 85.515 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 CIE LCh color 43, 20.010, 85.515 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 43, 20.010, 85.515

Background



This preview shows how black text looks on a background with the CIELCh color 43, 20.010, 85.515.



This preview shows how white text looks on a background with the CIELCh color 43, 20.010, 85.515.

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

43, 20.010, 85.515

Protanopia

43, 19.951, 96.571

Deuteranopia

43, 20.687, 73.072



Tritanopia
43, 11.175, 355.599

Trichromacy



Original Color
43, 20.010, 85.515

Protanomaly
43, 19.744, 92.345

Deuteranomaly
43, 20.344, 77.117

Tritanomaly
43, 9.935, 41.529

Monochromacy



Original Color
43, 20.010, 85.515

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.506, 92.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 20.010, 85.515 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(116, 100, 69)` looks like.

```
.text, #text, p{  
    color:rgb(116, 100, 69)  
}
```

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(116, 100, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 100, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 20.010, 85.515 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(116, 100, 69) }
```

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

```
.border{ border-color:rgb(116, 100, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 100, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 100, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 100, 69);  
box-shadow:4px 4px 4px 4px rgb(116, 100,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 20.010, 85.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 100, 69) }
```

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

```
.background{ background-color: rgb(116,  
100, 69) }
```

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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