

Converting Colors

CIELCh(44, 36.344, 163.852)

Have a look what the booklet for
CIELCh(44, 36.344, 163.852)
contains.

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Color

CIELCh(44, 36.325, 163.780)

Conversions

Conversions Part 1

Format	Color
Hex	167656
RGB	22, 118, 86
RGB Percent	9%, 46%, 34%
CMY	0.9128, 0.5367, 0.6622
CMYK	0.81, 0.00, 0.27, 0.54
HSL	160°, 68%, 28%
HSV	160°, 81%, 46%
XYZ	8.5166, 13.8382, 11.0545
YIQ	85.6480, -46.9440, -30.3040

Conversions

Conversions Part 2

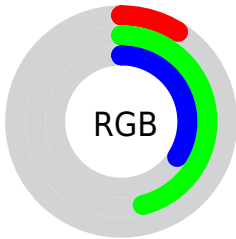
Format	Color
R_{YB}	22, 80, 118
Decimal	1472086
CIE _{Lab}	44.00, -34.88, 10.15
CIE _{LCh}	44, 36.325, 163.780
Yxy	13.8382, 0.2549, 0.4142
Android (android.graphics.Color)	4279662166 (0xFF167656)
YUV	85.6480, 0.1735, -55.8193
Hunter-Lab	37.1997, -24.2331, 8.4208

Details

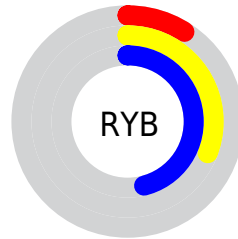
The CIELCh color **44, 36.325, 163.780** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 42.980, 7.812**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 36.386, 164.002**, and **25, 29.804, 157.216** is the 20% darker color. If you saturate the color by 10%, you get **44, 38.961, 161.893**, and if you desaturate by 10%, it is **44, 33.182, 165.479**.

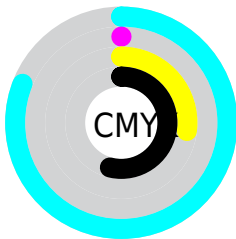
Distribution



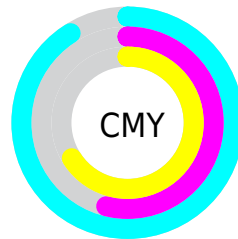
- Red (9%)
- Green (46%)
- Blue (34%)



- Red (9%)
- Yellow (31%)
- Blue (46%)



- Cyan (81%)
- Magenta (0%)
- Yellow (27%)
- Black (54%)





- Cyan (91%)
- Magenta (54%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 36.325, 163.780 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, 36.325, 163.780 by changing the saturation by 10% instead.


 44, 36.325,
163.780


 44, 36.325,
163.780


 100, 36.325,
163.780


 34, 36.325,
163.780

 64, 36.325,
163.780


 24, 36.325,
163.780

 74, 36.325,
163.780

 14, 36.325,
163.780

 84, 36.325,
163.780

 4, 36.325, 163.780

 94, 36.325,
163.780

 0, 36.325, 163.780

 44, 36.325,

 44, 36.325,

163.780

163.780

■ 44, 38.961,
161.893

■ 44, 33.182,
165.479

■ 44, 41.071,
160.228

■ 45, 29.538,
167.003

■ 45, 25.436,
168.372

■ 46, 20.943,
169.607

■ 47, 16.137,
170.731

■ 48, 11.098,
171.764

■ 49, 5.903, 172.735

■ 50, 0.621, 174.071

Harmonies

Complementary

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



44, 36.325, 163.780



26, 42.980, 7.812

Rectangle

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



44, 36.325, 163.780



44, 36.325, 213.780



44, 36.325, 343.780



44, 36.325, 33.780

Sweetspot

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



44, 36.325, 163.779



60, 15.485, 171.420



44, 57.040, 130.994



31, 10.538, 171.129



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 36.325, 163.779



56, 49.205, 160.231



40, 23.342, 219.393



24, 2.958, 172.942



45, 42.188, 160.138



88, 73.118, 158.821

Inverse Universe

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



26, 42.980, 7.812



32, 57.877, 15.682



27, 45.052, 39.324



23, 3.025, 354.403



25, 49.789, 15.819



53, 85.530, 19.164

Previews

White Background



This preview shows how the CIELCh color 44, 36.325, 163.780 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 44, 36.325, 163.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

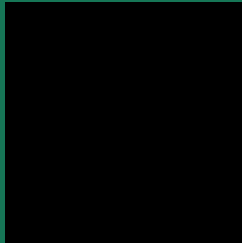
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 36.325, 163.780

Background



This preview shows how black text looks on a background with the CIELCh color 44, 36.325, 163.780.



This preview shows how white text looks on a background with the CIELCh color 44, 36.325, 163.780.

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, 36.325, 163.780

Protanopia

44, 14.745, 93.917

Deuteranopia

44, 9.977, 56.681



Tritanopia
44, 21.763, 213.377

Trichromacy



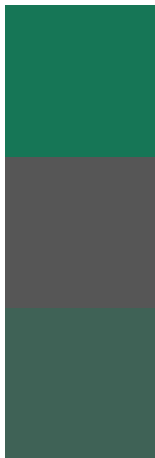
Original Color
44, 36.325, 163.780

Protanomaly
43, 20.526, 145.457

Deuteranomaly
43, 14.773, 150.799

Tritanomaly
44, 25.066, 189.694

Monochromacy



Original Color
44, 36.325, 163.780

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.862, 169.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 36.325, 163.780 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(22, 118, 86)` looks like.

```
.text, #text, p{  
    color:rgb(22, 118, 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(22, 118, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 118, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 36.325, 163.780 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(22, 118, 86) }
```

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

```
.border{ border-color:rgb(22, 118, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 118, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 118, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 118, 86);  
box-shadow:4px 4px 4px 4px rgb(22, 118,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 36.325, 163.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 118, 86) }
```

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

```
.background{ background-color: rgb(22, 118,  
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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