

Converting Colors

CIELCh(56, 45.344, 164.449)

Have a look what the booklet for
CIELCh(56, 45.344, 164.449)
contains.

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Color

CIELCh(56, 45.443, 164.423)

Conversions

Conversions Part 1

Format	Color
Hex	0D9970
RGB	13, 153, 112
RGB Percent	5%, 60%, 44%
CMY	0.9493, 0.4014, 0.5621
CMYK	0.92, 0.00, 0.27, 0.40
HSL	162°, 84%, 32%
HSV	162°, 92%, 60%
XYZ	14.4035, 23.9124, 19.0883
YIQ	106.4660, -70.2790, -42.4310

Conversions

Conversions Part 2

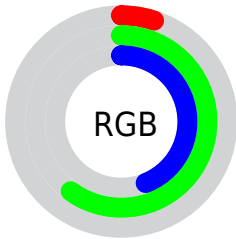
Format	Color
RYB	13, 95, 153
Decimal	891248
CIELab	56.00, -43.77, 12.20
CIElCh	56, 45.443, 164.423
Yxy	23.9124, 0.2509, 0.4166
Android (android.graphics.Color)	4279081328 (0xFF0D9970)
YUV	106.4660, 2.7283, -81.9697
Hunter-Lab	48.9003, -32.9989, 11.0863

Details

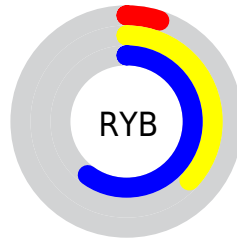
The CIELCh color **56, 45.443, 164.423** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **32, 56.778, 16.591**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 45.276, 164.674**, and **37, 37.905, 158.387** is the 20% darker color. If you saturate the color by 10%, you get **56, 47.496, 162.741**, and if you desaturate by 10%, it is **56, 42.635, 166.334**.

Distribution



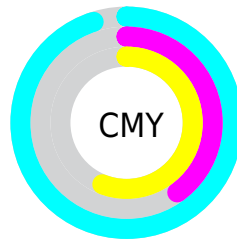
- Red (5%)
- Green (60%)
- Blue (44%)



- Red (5%)
- Yellow (37%)
- Blue (60%)



- Cyan (92%)
- Magenta (0%)
- Yellow (27%)
- Black (40%)




- Cyan (95%)
- Magenta (40%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 45.443, 164.423 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 56, 45.443, 164.423 by changing the saturation by 10% instead.


 56, 45.443,
164.423


 56, 45.443,
164.423


 100, 45.443,
164.423


 46, 45.443,
164.423


 76, 45.443,
164.423

 36, 45.443,
164.423

 86, 45.443,
164.423

 26, 45.443,
164.423

 96, 45.443,
164.423

 16, 45.443,
164.423

 6, 45.443, 164.423

 0, 45.443, 164.423

■ 56, 45.443,
164.423

■ 56, 45.443,
164.423

■ 56, 47.496,
162.741

■ 56, 42.635,
166.334

■ 57, 39.185,
168.056

■ 57, 35.090,
169.600

■ 58, 30.392,
170.987

■ 59, 25.168,
172.241

■ 59, 19.513,
173.386

■ 60, 13.531,
174.442

■ 62, 7.321, 175.437

Harmonies

Complementary

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



56, 45.443, 164.423



32, 56.778, 16.591

Rectangle

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



56, 45.443, 164.423



56, 45.443, 214.423



56, 45.443, 344.423



56, 45.443, 34.423

Sweetspot

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



56, 45.443, 164.422



76, 20.878, 173.816



56, 75.594, 132.560



40, 13.959, 173.484



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 45.443, 164.422



71, 58.200, 162.273



48, 29.220, 232.010



32, 3.603, 175.664



52, 44.528, 162.915



3, 3.953, 175.614

Inverse Universe

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



32, 56.778, 16.591



42, 73.092, 22.032



35, 61.801, 43.089



30, 3.701, 357.217



29, 55.970, 20.314



1, 3.918, 356.766

Previews

White Background



This preview shows how the CIELCh color 56, 45.443, 164.423 looks on a white 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

Black Background



This preview shows how the CIELCh color 56, 45.443, 164.423 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 × Fail

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

CIELCh 56, 45.443, 164.423

Background



This preview shows how black text looks on a background with the CIELCh color 56, 45.443, 164.423.



This preview shows how white text looks on a background with the CIELCh color 56, 45.443, 164.423.

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
56, 45.497, 164.458

Protanopia
56, 17.505, 95.308

Deuteranopia
55, 11.949, 51.774



Tritanopia
56, 27.711, 210.323

Trichromacy



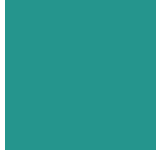
Original Color
56, 45.497, 164.458



Protanomaly
54, 26.468, 149.678



Deuteranomaly
54, 19.069, 155.998



Tritanomaly
56, 32.344, 188.214

Monochromacy



Original Color
56, 45.497, 164.458



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 21.117, 172.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 45.443, 164.423 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(13, 153, 112)` looks like.

```
.text, #text, p{  
    color:rgb(13, 153, 112)  
}
```

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(13, 153, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 153, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 45.443, 164.423 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(13, 153, 112) }
```

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

```
.border{ border-color:rgb(13, 153, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 153, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 153, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 153, 112);  
box-shadow:4px 4px 4px 4px rgb(13, 153,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 45.443, 164.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 153, 112) }
```

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

```
.background{ background-color: rgb(13, 153,  
112) }
```

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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