

Converting Colors

CIELCh(56, 45.928, 87.364)

Have a look what the booklet for
CIELCh(56, 45.928, 87.364) contains.

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Color

CIELCh(56, 45.953, 87.454)

Conversions

Conversions Part 1

Format	Color
Hex	A08333
RGB	160, 131, 51
RGB Percent	63%, 51%, 20%
CMY	0.3729, 0.4866, 0.8003
CMYK	0.00, 0.18, 0.68, 0.37
HSL	44°, 52%, 41%
HSV	44°, 68%, 63%
XYZ	23.1795, 23.9124, 6.5162
YIQ	130.5510, 42.9640, -18.7320

Conversions

Conversions Part 2

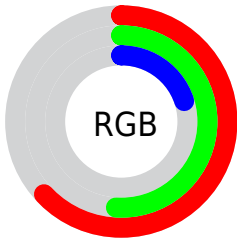
Format	Color
R_{YB}	91, 160, 51
Decimal	10519347
CIE _{Lab}	56.00, 2.04, 45.91
CIE _{LCh}	56, 45.953, 87.454
Yxy	23.9124, 0.4324, 0.4461
Android (android.graphics.Color)	4288709427 (0xFFA08333)
YUV	130.5510, -39.2186, 25.8268
Hunter-Lab	48.9003, -0.9639, 26.3295

Details

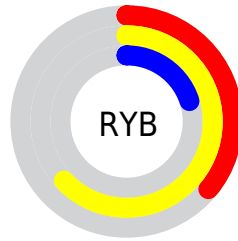
The CIELCh color **56, 45.953, 87.454** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **36, 49.578, 289.600**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 46.158, 87.908**, and **36, 44.350, 87.183** is the 20% darker color. If you saturate the color by 10%, you get **55, 51.512, 85.991**, and if you desaturate by 10%, it is **57, 39.630, 88.841**.

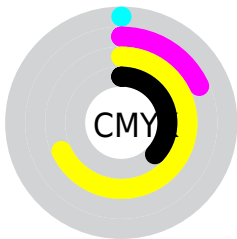
Distribution



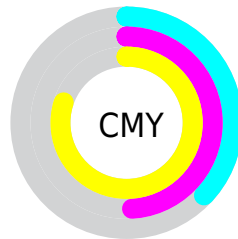
- Red (63%)
- Green (51%)
- Blue (20%)



- Red (36%)
- Yellow (63%)
- Blue (20%)



- Cyan (0%)
- Magenta (18%)
- Yellow (68%)
- Black (37%)



- Cyan (37%)
- Magenta (49%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 45.953, 87.454 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, 45.953, 87.454 by changing the saturation by 10% instead.

■ 56, 45.953, 87.454

■ 56, 45.953, 87.454

■ 100, 45.953,
87.454

■ 46, 45.953, 87.454

■ 76, 45.953, 87.454

■ 36, 45.953, 87.454

■ 86, 45.953, 87.454

■ 26, 45.953, 87.454

■ 96, 45.953, 87.454

■ 16, 45.953, 87.454

■ 6, 45.953, 87.454

■ 0, 45.953, 87.454

■ 56, 45.953, 87.454

■ 56, 45.953, 87.454

■ 55, 51.512, 85.991

■ 57, 39.630, 88.841

■ 54, 55.770, 84.374

■ 59, 32.918, 90.177

52, 58.433, 82.545

60, 26.043, 91.479

52, 58.914, 82.216

62, 19.135, 92.749

63, 12.265, 93.982

65, 5.469, 95.166

66, 1.236, 276.490

68, 7.845, 277.490

69, 14.358,
278.546

Harmonies

Complementary

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



56, 45.953, 87.454



36, 49.578, 289.600

Rectangle

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



56, 45.953, 87.454



56, 45.953, 137.454



56, 45.953, 267.454



56, 45.953, 317.454

Sweetspot

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



56, 45.953, 87.457



80, 16.832, 93.711



39, 47.804, 9.569



42, 11.479, 93.388



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



56, 45.953, 87.457



70, 65.935, 85.138



62, 57.100, 115.477



33, 3.759, 95.042



47, 54.269, 82.448



3, 4.723, 93.598

Inverse Universe

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



36, 49.578, 289.600



40, 75.841, 294.469



31, 68.087, 305.592



31, 3.783, 277.302



21, 68.712, 299.267



1, 4.979, 277.082

Previews

White Background



This preview shows how the CIELCh color 56, 45.953, 87.454 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 CIE LCh color 56, 45.953, 87.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

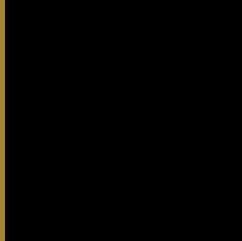
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 45.953, 87.454

Background



This preview shows how black text looks on a background with the CIELCh color 56, 45.953, 87.454.



This preview shows how white text looks on a background with the CIELCh color 56, 45.953, 87.454.

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, 45.953, 87.454

Protanopia

56, 45.511, 95.842

Deuteranopia

56, 46.147, 81.357



Tritanopia
56, 18.195, 5.261

Trichromacy



Original Color
56, 45.953, 87.454

Protanomaly
56, 45.562, 92.862

Deuteranomaly
56, 45.738, 83.692

Tritanomaly
56, 21.494, 57.774

Monochromacy



Original Color
56, 45.953, 87.454

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 17.249, 92.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 45.953, 87.454 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(160, 131, 51)` looks like.

```
.text, #text, p{  
    color:rgb(160, 131, 51)  
}
```

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(160, 131, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 131, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 45.953, 87.454 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(160, 131, 51) }
```

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

```
.border{ border-color:rgb(160, 131, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 131, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 131, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 131, 51);  
box-shadow:4px 4px 4px 4px rgb(160, 131,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 45.953, 87.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 131, 51) }
```

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

```
.background{ background-color: rgb(160,  
131, 51) }
```

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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