

Converting Colors

CIELCh(56, 36.614, 96.422)

Have a look what the booklet for
CIELCh(56, 36.614, 96.422) contains.

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Color

CIELCh(56, 36.614, 96.423)

Conversions

Conversions Part 1

Format	Color
Hex	948746
RGB	148, 135, 70
RGB Percent	58%, 53%, 27%
CMY	0.4212, 0.4721, 0.7269
CMYK	0.00, 0.09, 0.53, 0.42
HSL	50°, 36%, 43%
HSV	50°, 53%, 58%
XYZ	21.8400, 23.9124, 9.1974
YIQ	131.4770, 28.6130, -17.4590

Conversions

Conversions Part 2

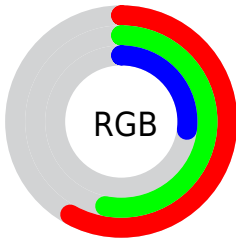
Format	Color
R_{YB}	86, 148, 70
Decimal	9733958
CIE _{Lab}	56.00, -4.10, 36.38
CIE _{LCh}	56, 36.614, 96.423
Yxy	23.9124, 0.3975, 0.4352
Android (android.graphics.Color)	4287924038 (0xFF948746)
YUV	131.4770, -30.3082, 14.4907
Hunter-Lab	48.9003, -5.8535, 23.0786

Details

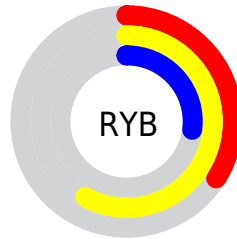
The CIELCh color **56, 36.614, 96.423** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **37, 40.088, 290.857**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 36.632, 96.156**, and **36, 36.804, 96.894** is the 20% darker color. If you saturate the color by 10%, you get **55, 42.962, 95.278**, and if you desaturate by 10%, it is **57, 29.889, 97.577**.

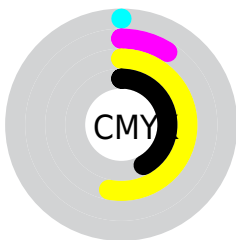
Distribution



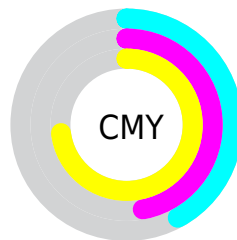
- Red (58%)
- Green (53%)
- Blue (27%)



- Red (34%)
- Yellow (58%)
- Blue (27%)



- Cyan (0%)
- Magenta (9%)
- Yellow (53%)
- Black (42%)



- Cyan (42%)
- Magenta (47%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 36.614, 96.423 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, 36.614, 96.423 by changing the saturation by 10% instead.

 56, 36.614, 96.423

 56, 36.614, 96.423

 100, 36.614,
96.423

 46, 36.614, 96.423

 76, 36.614, 96.423

 36, 36.614, 96.423

 86, 36.614, 96.423

 26, 36.614, 96.423

 96, 36.614, 96.423

 16, 36.614, 96.423

 6, 36.614, 96.423

 0, 36.614, 96.423

 56, 36.614, 96.423

 56, 36.614, 96.423

 55, 42.962, 95.278

 57, 29.889, 97.577

 54, 48.642, 94.135

 58, 22.970, 98.722

■ 54, 53.241, 92.990

■ 59, 15.970, 99.852

■ 53, 56.289, 91.818

■ 60, 8.953, 100.957

■ 52, 57.866, 90.972

■ 61, 1.958, 101.993

■ 62, 4.994, 283.117

■ 63, 11.892,
284.110

■ 64, 18.728,
285.070

■ 65, 25.501,
285.986

Harmonies

Complementary

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



56, 36.614, 96.423



37, 40.088, 290.857

Rectangle

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



56, 36.614, 96.423



56, 36.614, 146.423



56, 36.614, 276.423



56, 36.614, 326.423

Sweetspot

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



56, 36.615, 96.426



75, 13.817, 100.574



40, 35.042, 13.078



40, 9.406, 100.369



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



56, 36.615, 96.426



70, 53.083, 95.111



58, 43.832, 120.311



31, 3.947, 101.346



49, 55.047, 91.056



2, 3.454, 102.346

Inverse Universe

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



37, 40.088, 290.857



42, 60.281, 293.674



36, 48.869, 306.698



29, 4.000, 283.404



18, 75.113, 302.881



1, 3.455, 282.349

Previews

White Background



This preview shows how the CIELCh color 56, 36.614, 96.423 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, 36.614, 96.423 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, 36.614, 96.423

Background



This preview shows how black text looks on a background with the CIELCh color 56, 36.614, 96.423.



This preview shows how white text looks on a background with the CIELCh color 56, 36.614, 96.423.

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, 36.614, 96.423

Protanopia

56, 36.224, 95.612

Deuteranopia

56, 36.813, 78.401



Tritanopia
56, 12.188, 352.906

Trichromacy



Original Color
56, 36.614, 96.423

Protanomaly
56, 36.224, 95.612

Deuteranomaly
56, 35.973, 84.201

Tritanomaly
56, 13.543, 65.375

Monochromacy



Original Color
56, 36.614, 96.423

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 13.290, 99.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 36.614, 96.423 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(148, 135, 70)` looks like.

```
.text, #text, p{  
    color:rgb(148, 135, 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(148, 135, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 135, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 36.614, 96.423 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(148, 135, 70) }
```

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

```
.border{ border-color:rgb(148, 135, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 135, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 135, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 135, 70);  
box-shadow:4px 4px 4px 4px rgb(148, 135,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 36.614, 96.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 135, 70) }
```

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

```
.background{ background-color: rgb(148,  
135, 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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