

Converting Colors

CIELCh(48, 20.336, 55.573)

Have a look what the booklet for
CIELCh(48, 20.336, 55.573) contains.

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Color

CIELCh(48, 20.407, 55.493)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 8E6A56 |
| RGB | 142, 106, 86 |
| RGB Percent | 56%, 42%, 34% |
| CMY | 0.4423, 0.5835, 0.6620 |
| CMYK | 0.00, 0.25, 0.39, 0.44 |
| HSL | 21°, 25%, 45% |
| HSV | 21°, 39%, 56% |
| XYZ | 18.0548, 16.7945, 11.1352 |
| YIQ | 114.4840, 27.8760, 1.4120 |

Conversions

Conversions Part 2

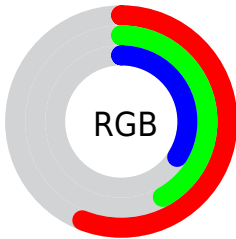
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 142, 117, 86 |
| Decimal | 9333334 |
| CIE Lab | 48.00, 11.56, 16.82 |
| CIE LCh | 48, 20.407, 55.493 |
| Yxy | 16.7945, 0.3926, 0.3652 |
| Android (android.graphics.Color) | 4287523414 (0xFF8E6A56) |
| YUV | 114.4840, -14.0426, 24.1315 |
| Hunter-Lab | 40.9810, 6.9238, 12.5767 |

Details

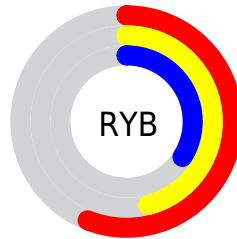
The CIELCh color $48, 20.407, 55.493$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $49, 16.589, 243.867$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 20.395, 54.611$, and $28, 20.168, 55.720$ is the 20% darker color. If you saturate the color by 10%, you get $45, 26.485, 54.842$, and if you desaturate by 10%, it is $51, 14.706, 56.220$.

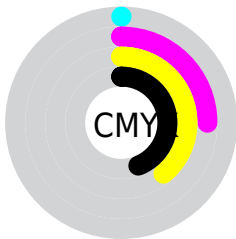
Distribution



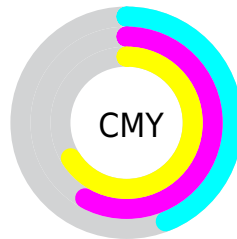
- Red (56%)
- Green (42%)
- Blue (34%)



- Red (56%)
- Yellow (46%)
- Blue (34%)



- Cyan (0%)
- Magenta (25%)
- Yellow (39%)
- Black (44%)



- Cyan (44%)
- Magenta (58%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 20.407, 55.493 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 48, 20.407, 55.493 by changing the saturation by 10% instead.

■ 48, 20.407, 55.493

■ 48, 20.407, 55.493

■ 100, 20.407,
55.493

■ 38, 20.407, 55.493

■ 68, 20.407, 55.493

■ 28, 20.407, 55.493

■ 78, 20.407, 55.493

■ 18, 20.407, 55.493

■ 88, 20.407, 55.493

■ 8, 20.407, 55.493

■ 98, 20.407, 55.493

■ 0, 20.407, 55.493

■ 48, 20.407, 55.493

■ 48, 20.407, 55.493

■ 45, 26.485, 54.842

■ 51, 14.706, 56.220

■ 43, 32.920, 54.252

■ 54, 9.375, 56.991

40, 39.623, 53.701

56, 4.390, 57.772

38, 46.380, 53.100

59, 0.280, 240.021

36, 52.722, 52.230

62, 4.668, 239.653

34, 58.498, 51.265

65, 8.805, 240.484

34, 58.884, 51.254

68, 12.721,
241.333

71, 16.443,
242.174

74, 19.995,
243.000

Harmonies

Complementary

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



48, 20.407, 55.493



49, 16.589, 243.867

Rectangle

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



48, 20.407, 55.493



48, 20.407, 105.493



48, 20.407, 235.493



48, 20.407, 285.493

Sweetspot

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



48, 20.406, 55.499



71, 7.055, 57.552



44, 30.684, 339.437



37, 4.735, 57.464



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 20.406, 55.499



59, 31.247, 54.929



56, 27.118, 98.958



29, 2.646, 57.788



32, 56.578, 51.375



1, 1.741, 58.647

Inverse Universe

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



49, 16.589, 243.867



61, 24.072, 245.681



41, 28.896, 288.838



29, 2.541, 239.606



35, 33.218, 264.545



1, 1.742, 238.665

Previews

White Background



This preview shows how the CIELCh color 48, 20.407, 55.493 looks on a white background.

Color Contrast Check

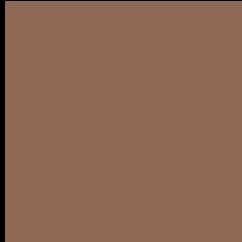
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 20.407, 55.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

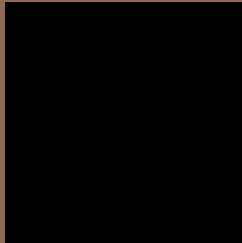
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 20.407, 55.493

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.407, 55.493.



This preview shows how white text looks on a background with the CIELCh color 48, 20.407, 55.493.

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

48, 20.407, 55.493

Protanopia

48, 14.483, 94.194

Deuteranopia

48, 18.072, 67.861



Tritanopia
48, 18.248, 7.048

Trichromacy



Original Color
48, 20.407, 55.493

Protanomaly
48, 15.278, 76.774

Deuteranomaly
48, 18.966, 62.759

Tritanomaly
48, 17.427, 25.346

Monochromacy



Original Color
48, 20.407, 55.493

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.874, 56.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.407, 55.493 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(142, 106, 86)` looks like.

```
.text, #text, p{  
    color:rgb(142, 106, 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(142, 106, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 106, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.407, 55.493 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(142, 106, 86) }
```

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

```
.border{ border-color:rgb(142, 106, 86) }
```

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

Here you see how a box with a 4 pixel rgb(142, 106, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 106, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 106, 86);  
box-shadow:4px 4px 4px 4px rgb(142, 106,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.407, 55.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 106, 86) }
```

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

```
.background{ background-color: rgb(142,  
106, 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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