

Converting Colors

CIELCh(46, 53.463, 31.931)

Have a look what the booklet for
CIELCh(46, 53.463, 31.931) contains.

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Color

CIELCh(46, 53.420, 32.271)

Conversions

Conversions Part 1

Format	Color
Hex	B94840
RGB	185, 72, 64
RGB Percent	73%, 28%, 25%
CMY	0.2753, 0.7183, 0.7496
CMYK	0.00, 0.61, 0.65, 0.28
HSL	4°, 49%, 49%
HSV	4°, 65%, 72%
XYZ	23.1847, 15.2687, 6.5523
YIQ	104.8750, 69.9160, 21.4680

Conversions

Conversions Part 2

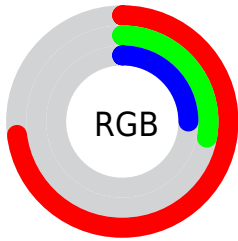
Format	Color
RYB	185, 73, 64
Decimal	12142656
CIELab	46.00, 45.17, 28.52
CIELCh	46, 53.420, 32.271
Yxy	15.2687, 0.5152, 0.3393
Android (android.graphics.Color)	4290332736 (0xFFB94840)
YUV	104.8750, -20.1514, 70.2696
Hunter-Lab	39.0751, 37.5292, 17.4106

Details

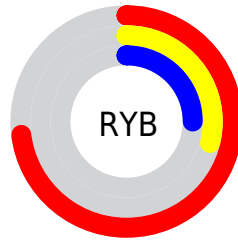
The CIELCh color **46, 53.420, 32.271** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **66, 31.763, 205.042**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.376, 32.334**, and **26, 53.538, 32.287** is the 20% darker color. If you saturate the color by 10%, you get **43, 62.765, 34.729**, and if you desaturate by 10%, it is **50, 44.032, 30.254**.

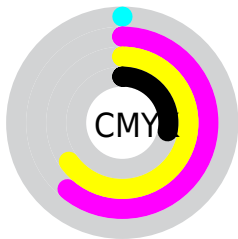
Distribution



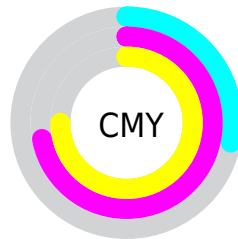
- Red (73%)
- Green (28%)
- Blue (25%)



- Red (73%)
- Yellow (29%)
- Blue (25%)



- Cyan (0%)
- Magenta (61%)
- Yellow (65%)
- Black (28%)



- Cyan (28%)
- Magenta (72%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 53.420, 32.271 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 46, 53.420, 32.271 by changing the saturation by 10% instead.

 46, 53.420, 32.271

 46, 53.420, 32.271

 100, 53.420,
32.271

 36, 53.420, 32.271

 66, 53.420, 32.271

 26, 53.420, 32.271

 76, 53.420, 32.271

 16, 53.420, 32.271

 86, 53.420, 32.271

 6, 53.420, 32.271

 96, 53.420, 32.271

 0, 53.420, 32.271

 46, 53.420, 32.271

 46, 53.420, 32.271

 43, 62.765, 34.729

 50, 44.032, 30.254

 41, 71.517, 37.397

 54, 34.912, 28.678

39, 78.489, 39.600

58, 26.239, 27.482

39, 81.179, 40.702

63, 18.110, 26.585

67, 10.559, 25.912

72, 3.578, 25.341

77, 2.868, 205.330

82, 8.826, 204.968

88, 14.347,
204.783

Harmonies

Complementary

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



46, 53.420, 32.271



66, 31.763, 205.042

Rectangle

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



46, 53.420, 32.271



46, 53.420, 82.271



46, 53.420, 212.271



46, 53.420, 262.271

Sweetspot

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



46, 53.418, 32.274



83, 17.221, 26.217



48, 72.232, 329.224



42, 11.875, 26.411



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



46, 53.418, 32.274



54, 81.594, 36.023



59, 45.737, 71.892



36, 3.757, 25.569



32, 70.976, 40.551



3, 10.142, 23.626

Inverse Universe

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



66, 31.763, 205.042



83, 42.229, 205.846



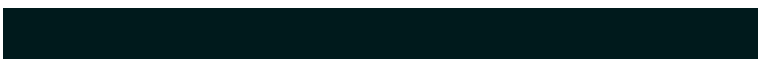
49, 40.562, 274.851



38, 3.540, 205.085



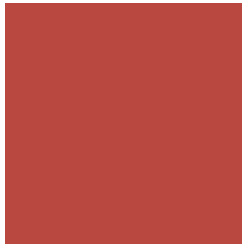
55, 31.863, 207.442



8, 9.514, 207.242

Previews

White Background



This preview shows how the CIELCh color 46, 53.420, 32.271 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 46, 53.420, 32.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

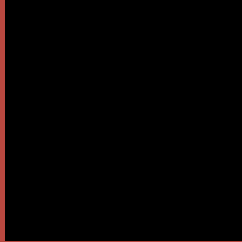
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 53.420, 32.271

Background



This preview shows how black text looks on a background with the CIELCh color 46, 53.420, 32.271.

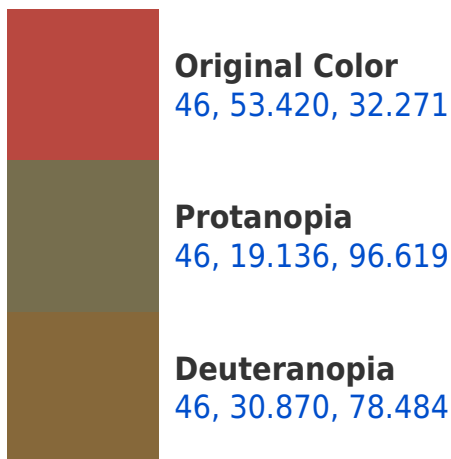


This preview shows how white text looks on a background with the CIELCh color 46, 53.420, 32.271.

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





Tritanopia
46, 51.629, 24.924

Trichromacy



Original Color
46, 53.420, 32.271

Protanomaly
45, 26.077, 52.468

Deuteranomaly
45, 35.676, 53.289

Tritanomaly
46, 52.093, 27.794

Monochromacy



Original Color
46, 53.420, 32.271

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 18.409, 27.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 53.420, 32.271 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(185, 72, 64)` looks like.

```
.text, #text, p{  
    color:rgb(185, 72, 64)  
}
```

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(185, 72, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 72, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 53.420, 32.271 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(185, 72, 64) }
```

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

```
.border{ border-color:rgb(185, 72, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 72, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 72, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 72, 64);  
box-shadow:4px 4px 4px 4px rgb(185, 72,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 53.420, 32.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 72, 64) }
```

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

```
.background{ background-color: rgb(185, 72,  
64) }
```

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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