

Converting Colors

CIELCh(46, 54.774, 20.018)

Have a look what the booklet for
CIELCh(46, 54.774, 20.018) contains.

CIELCh(46, 54.828, 20.124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 54.828, 20.124)

Conversions

Conversions Part 1

Format	Color
Hex	BE4050
RGB	190, 64, 80
RGB Percent	75%, 25%, 31%
CMY	0.2537, 0.7479, 0.6853
CMYK	0.00, 0.66, 0.58, 0.25
HSL	352°, 49%, 50%
HSV	352°, 66%, 75%
XYZ	24.6187, 15.2687, 9.2855
YIQ	103.4980, 69.9600, 31.6880

Conversions

Conversions Part 2

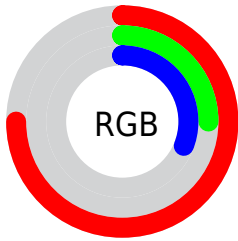
Format	Color
R_{YB}	190, 64, 80
Decimal	12468304
CIE Lab	46.00, 51.48, 18.86
CIE LCh	46, 54.828, 20.124
Yxy	15.2687, 0.5007, 0.3105
Android (android.graphics.Color)	4290658384 (0xFFBE4050)
YUV	103.4980, -11.5845, 75.8623
Hunter-Lab	39.0751, 44.0797, 13.2635

Details

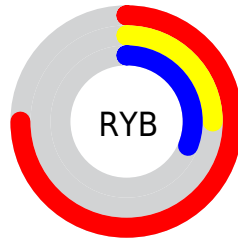
The CIELCh color **46, 54.828, 20.124** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **70, 38.064, 183.113**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.624, 20.336**, and **27, 53.612, 21.542** is the 20% darker color. If you saturate the color by 10%, you get **43, 62.793, 23.769**, and if you desaturate by 10%, it is **50, 46.304, 17.214**.

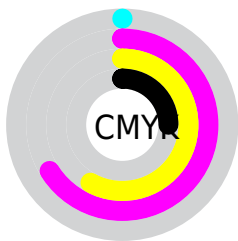
Distribution



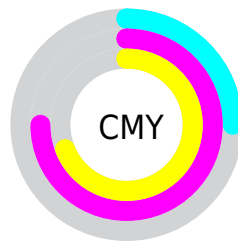
- Red (75%)
- Green (25%)
- Blue (31%)



- Red (75%)
- Yellow (25%)
- Blue (31%)



- Cyan (0%)
- Magenta (66%)
- Yellow (58%)
- Black (25%)



- Cyan (25%)
- Magenta (75%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 54.828, 20.124 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, 54.828, 20.124 by changing the saturation by 10% instead.

 46, 54.828, 20.124

 46, 54.828, 20.124

 100, 54.828,
20.124

 36, 54.828, 20.124

 66, 54.828, 20.124

 26, 54.828, 20.124

 76, 54.828, 20.124

 16, 54.828, 20.124

 86, 54.828, 20.124

 6, 54.828, 20.124

 96, 54.828, 20.124

 0, 54.828, 20.124

 46, 54.828, 20.124

 46, 54.828, 20.124

 43, 62.793, 23.769

 50, 46.304, 17.214

 41, 69.971, 28.133

 54, 37.533, 14.917

40, 76.181, 32.891

58, 28.795, 13.102

40, 78.369, 34.493

63, 20.307, 11.647

68, 12.199, 10.457

74, 4.535, 9.417

79, 2.669, 188.908

85, 9.429, 188.078

90, 15.774,
187.457

Harmonies

Complementary

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



46, 54.828, 20.124



70, 38.064, 183.113

Rectangle

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



46, 54.828, 20.124



46, 54.828, 70.124



46, 54.828, 200.124



46, 54.828, 250.124

Sweetspot

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



46, 54.825, 20.126



84, 18.845, 10.919



47, 76.245, 323.410



43, 13.070, 11.261



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



46, 54.825, 20.126



55, 80.135, 25.460



55, 47.609, 54.643



37, 4.146, 9.740



33, 67.789, 33.774



3, 12.371, 12.154

Inverse Universe

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



46, 54.825, 20.126



55, 80.135, 25.460



57, 32.700, 252.638



37, 4.146, 9.740



33, 67.789, 33.774



3, 12.371, 12.154

Previews

White Background



This preview shows how the CIELCh color 46, 54.828, 20.124 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, 54.828, 20.124 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, 54.828, 20.124

Background



This preview shows how black text looks on a background with the CIELCh color 46, 54.828, 20.124.

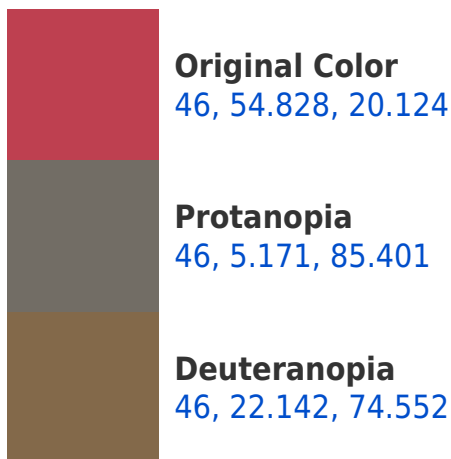


This preview shows how white text looks on a background with the CIELCh color 46, 54.828, 20.124.

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, 55.895, 26.662

Trichromacy



Original Color
46, 54.828, 20.124

Protanomaly
45, 21.704, 22.355

Deuteranomaly
45, 30.978, 38.245

Tritanomaly
46, 55.437, 24.013

Monochromacy



Original Color
46, 54.828, 20.124

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 19.827, 13.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 54.828, 20.124 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(190, 64, 80)` looks like.

```
.text, #text, p{  
    color:rgb(190, 64, 80)  
}
```

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(190, 64, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 64, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 54.828, 20.124 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(190, 64, 80) }
```

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

```
.border{ border-color:rgb(190, 64, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 64, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 64, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 64, 80);  
box-shadow:4px 4px 4px 4px rgb(190, 64,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 54.828, 20.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 64, 80) }
```

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

```
.background{ background-color: rgb(190, 64,  
80) }
```

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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