

Converting Colors

CIELCh(46, 55.226, 20.265)

Have a look what the booklet for
CIELCh(46, 55.226, 20.265) contains.

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Color

CIELCh(46, 55.226, 20.265)

Conversions

Conversions Part 1

Format	Color
Hex	BF4050
RGB	191, 64, 80
RGB Percent	75%, 25%, 31%
CMY	0.2518, 0.7498, 0.6869
CMYK	0.00, 0.67, 0.58, 0.25
HSL	352°, 50%, 50%
HSV	352°, 67%, 75%
XYZ	24.6945, 15.2687, 9.2020
YIQ	103.7970, 70.5560, 31.9000

Conversions

Conversions Part 2

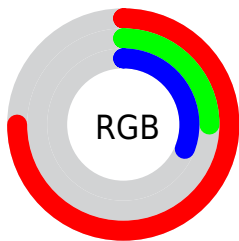
Format	Color
RYB	191, 64, 80
Decimal	12533840
CIELab	46.00, 51.81, 19.13
CIELCh	46, 55.226, 20.265
Yxy	15.2687, 0.5023, 0.3106
Android (android.graphics.Color)	4290723920 (0xFFBF4050)
YUV	103.7970, -11.7319, 76.4770
Hunter-Lab	39.0751, 44.4260, 13.3901

Details

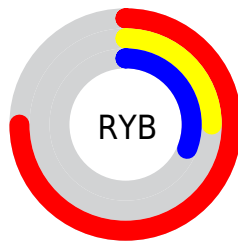
The CIELCh color **46, 55.226, 20.265** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **70, 38.249, 183.110**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 55.024, 20.426**, and **27, 53.612, 21.542** is the 20% darker color. If you saturate the color by 10%, you get **43, 63.187, 23.937**, and if you desaturate by 10%, it is **50, 46.697, 17.330**.

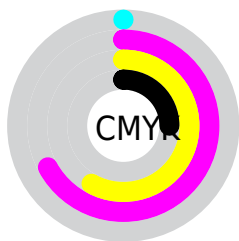
Distribution



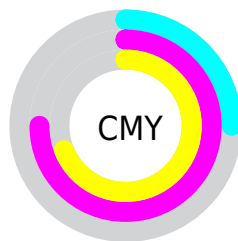
- Red (75%)
- Green (25%)
- Blue (31%)



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



- Cyan (0%)
- Magenta (67%)
- Yellow (58%)
- Black (25%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 55.226, 20.265 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, 55.226, 20.265 by changing the saturation by 10% instead.

 46, 55.226, 20.265

 46, 55.226, 20.265

 100, 55.226,
20.265

 36, 55.226, 20.265

 66, 55.226, 20.265

 26, 55.226, 20.265

 76, 55.226, 20.265

 16, 55.226, 20.265

 86, 55.226, 20.265

 6, 55.226, 20.265

 96, 55.226, 20.265

 0, 55.226, 20.265

 46, 55.226, 20.265

 46, 55.226, 20.265

 43, 63.187, 23.937

 50, 46.697, 17.330

 41, 70.352, 28.323

 54, 37.909, 15.014

40, 76.545, 33.074

58, 29.147, 13.184

40, 78.538, 34.521

63, 20.630, 11.719

68, 12.491, 10.521

74, 4.797, 9.481

79, 2.437, 188.980

85, 9.224, 188.129

90, 15.594,
187.505

Harmonies

Complementary

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



46, 55.226, 20.265



70, 38.249, 183.110

Rectangle

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



46, 55.226, 20.265



46, 55.226, 70.265



46, 55.226, 200.265



46, 55.226, 250.265

Sweetspot

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



46, 55.223, 20.267



84, 18.844, 10.946



47, 76.693, 323.416



43, 13.069, 11.288



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, 55.223, 20.267



55, 81.043, 25.927



55, 47.997, 54.621



37, 4.145, 9.768



33, 67.804, 33.795



3, 12.371, 12.173

Inverse Universe

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



46, 55.223, 20.267



55, 81.043, 25.927



57, 32.895, 252.760



37, 4.145, 9.768



33, 67.804, 33.795



3, 12.371, 12.173

Previews

White Background



This preview shows how the CIELCh color 46, 55.226, 20.265 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, 55.226, 20.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

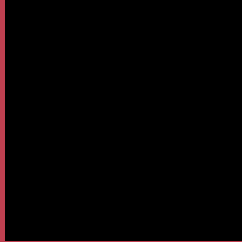
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 55.226, 20.265

Background



This preview shows how black text looks on a background with the CIELCh color 46, 55.226, 20.265.



This preview shows how white text looks on a background with the CIELCh color 46, 55.226, 20.265.

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

46, 55.226, 20.265

Protanopia

46, 5.171, 85.401

Deuteranopia

46, 22.142, 74.552



Tritanopia
46, 56.100, 27.218

Trichromacy



Original Color
46, 55.226, 20.265

Protanomaly
45, 21.704, 22.355

Deuteranomaly
45, 30.978, 38.245

Tritanomaly
46, 55.615, 24.588

Monochromacy



Original Color
46, 55.226, 20.265

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 20.756, 12.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 55.226, 20.265 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(191, 64, 80)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 64, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 64, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 55.226, 20.265 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(191, 64, 80) }
```

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

```
.border{ border-color:rgb(191, 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(191, 64, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 64, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 64, 80);  
box-shadow:4px 4px 4px 4px rgb(191, 64,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 55.226, 20.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 64, 80) }
```

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

```
.background{ background-color: rgb(191, 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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