

Converting Colors

CIELCh(45, 49.864, 21.987)

Have a look what the booklet for
CIELCh(45, 49.864, 21.987) contains.

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Color

CIELCh(45, 49.788, 22.154)

Conversions

Conversions Part 1

Format	Color
Hex	B5454E
RGB	181, 69, 78
RGB Percent	71%, 27%, 31%
CMY	0.2916, 0.7307, 0.6952
CMYK	0.00, 0.62, 0.57, 0.29
HSL	355°, 45%, 49%
HSV	355°, 62%, 71%
XYZ	22.4433, 14.5417, 8.7776
YIQ	103.5140, 63.8630, 26.5430

Conversions

Conversions Part 2

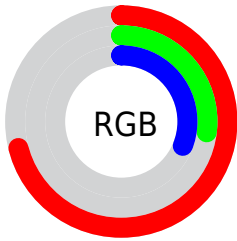
Format	Color
R_{YB}	181, 69, 78
Decimal	11879758
CIE _{Lab}	45.00, 46.11, 18.77
CIE _{LCh}	45, 49.788, 22.154
Yxy	14.5417, 0.4904, 0.3178
Android (android.graphics.Color)	4290069838 (0xFFB5454E)
YUV	103.5140, -12.5784, 67.9552
Hunter-Lab	38.1336, 38.3213, 13.0462

Details

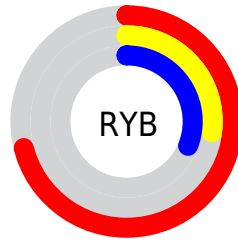
The CIELCh color **45, 49.788, 22.154** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **67, 33.895, 188.160**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 49.714, 22.055**, and **25, 50.031, 22.189** is the 20% darker color. If you saturate the color by 10%, you get **42, 58.128, 25.402**, and if you desaturate by 10%, it is **49, 41.152, 19.576**.

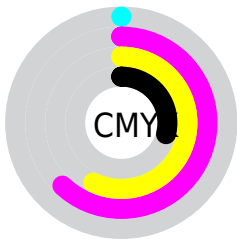
Distribution



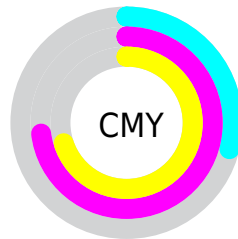
- Red (71%)
- Green (27%)
- Blue (31%)



- Red (71%)
- Yellow (27%)
- Blue (31%)



- Cyan (0%)
- Magenta (62%)
- Yellow (57%)
- Black (29%)



- Cyan (29%)
- Magenta (73%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 49.788, 22.154 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 45, 49.788, 22.154 by changing the saturation by 10% instead.

 45, 49.788, 22.154

 45, 49.788, 22.154

 100, 49.788,
22.154

 35, 49.788, 22.154

 65, 49.788, 22.154

 25, 49.788, 22.154

 75, 49.788, 22.154

 15, 49.788, 22.154

 85, 49.788, 22.154

 5, 49.788, 22.154

 95, 49.788, 22.154

 0, 49.788, 22.154

 45, 49.788, 22.154

 45, 49.788, 22.154

 42, 58.128, 25.402

 49, 41.152, 19.576

 40, 65.891, 29.320

 53, 32.512, 17.551

38, 72.742, 33.645

58, 24.094, 15.957

38, 77.346, 36.711

62, 16.051, 14.687

67, 8.462, 13.645

73, 1.352, 12.506

78, 5.288, 192.283

83, 11.489,
191.653

88, 17.290,
191.144

Harmonies

Complementary

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



45, 49.788, 22.154



67, 33.895, 188.160

Rectangle

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



45, 49.788, 22.154



45, 49.788, 72.154



45, 49.788, 202.154



45, 49.788, 252.154

Sweetspot

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



45, 49.785, 22.157



81, 17.012, 14.392



47, 69.741, 324.885



41, 11.807, 14.705



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



45, 49.785, 22.157



53, 73.878, 26.614



55, 41.807, 59.658



35, 3.927, 13.391



31, 67.970, 36.149



2, 9.204, 14.234

Inverse Universe

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



45, 49.785, 22.157



53, 73.878, 26.614



54, 31.429, 258.198



35, 3.927, 13.391



31, 67.970, 36.149



2, 9.204, 14.234

Previews

White Background



This preview shows how the CIELCh color 45, 49.788, 22.154 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 CIE LCh color 45, 49.788, 22.154 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 45, 49.788, 22.154

Background



This preview shows how black text looks on a background with the CIELCh color 45, 49.788, 22.154.



This preview shows how white text looks on a background with the CIELCh color 45, 49.788, 22.154.

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
45, 50.012, 24.638

Trichromacy



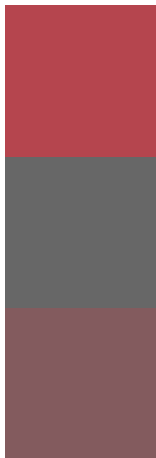
Original Color
45, 49.788, 22.154

Protanomaly
44, 19.921, 28.754

Deuteranomaly
44, 28.634, 42.721

Tritanomaly
45, 49.841, 23.994

Monochromacy



Original Color
45, 49.788, 22.154

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 17.579, 16.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 49.788, 22.154 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(181, 69, 78)` looks like.

```
.text, #text, p{  
    color:rgb(181, 69, 78)  
}
```

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(181, 69, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 69, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 49.788, 22.154 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(181, 69, 78) }
```

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

```
.border{ border-color:rgb(181, 69, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 69, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 69, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 69, 78);  
box-shadow:4px 4px 4px 4px rgb(181, 69,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 49.788, 22.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 69, 78) }
```

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

```
.background{ background-color: rgb(181, 69,  
78) }
```

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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