

Converting Colors

CIELCh(52, 72.898, 22.508)

Have a look what the booklet for
CIELCh(52, 72.898, 22.508) contains.

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Color

CIELCh(52, 72.963, 22.356)

Conversions

Conversions Part 1

Format	Color
Hex	E73651
RGB	231, 54, 81
RGB Percent	91%, 21%, 32%
CMY	0.0952, 0.7894, 0.6831
CMYK	0.00, 0.77, 0.65, 0.10
HSL	351°, 78%, 56%
HSV	351°, 77%, 90%
XYZ	35.6486, 20.1443, 9.7540
YIQ	110.0010, 96.8250, 45.9210

Conversions

Conversions Part 2

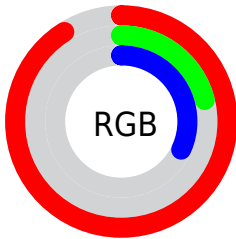
Format	Color
R_{YB}	231, 54, 81
Decimal	15152721
CIE _{Lab}	52.00, 67.48, 27.75
CIE _{LCh}	52, 72.963, 22.356
Yxy	20.1443, 0.5439, 0.3073
Android (android.graphics.Color)	4293342801 (0xFFE73651)
YUV	110.0010, -14.2975, 106.1161
Hunter-Lab	44.8824, 63.2321, 18.5326

Details

The CIELCh color **52, 72.963, 22.356** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **83, 49.260, 179.118**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.191, 18.968**, and **35, 66.878, 27.462** is the 20% darker color. If you saturate the color by 10%, you get **50, 80.805, 26.942**, and if you desaturate by 10%, it is **55, 64.096, 18.551**.

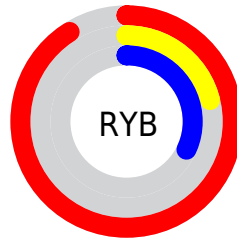
Distribution



Red (91%)

Green (21%)

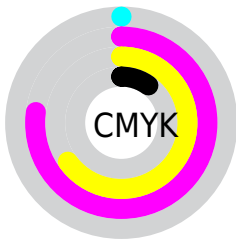
Blue (32%)



Red (91%)

Yellow (21%)

Blue (32%)

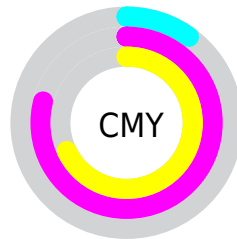


Cyan (0%)

Magenta (77%)

Yellow (65%)

Black (10%)



Cyan (10%)

Magenta (79%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 72.963, 22.356 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 52, 72.963, 22.356 by changing the saturation by 10% instead.

 52, 72.963, 22.356

 52, 72.963, 22.356

 100, 72.963,
22.356

 42, 72.963, 22.356

 72, 72.963, 22.356

 32, 72.963, 22.356

 82, 72.963, 22.356

 22, 72.963, 22.356

 92, 72.963, 22.356

 12, 72.963, 22.356

 2, 72.963, 22.356

 0, 72.963, 22.356

 52, 72.963, 22.356

 52, 72.963, 22.356

 50, 80.805, 26.942

 55, 64.096, 18.551

 49, 87.536, 31.989

 59, 54.450, 15.516

48, 89.596, 33.520

64, 44.381, 13.126

69, 34.249, 11.237

75, 24.335, 9.720

81, 14.816, 8.476

87, 5.783, 7.395

94, 2.733, 186.848

98, 8.281, 198.962

Harmonies

Complementary

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



52, 72.963, 22.356



83, 49.260, 179.118

Rectangle

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



52, 72.963, 22.356



52, 72.963, 72.356



52, 72.963, 202.356



52, 72.963, 252.356

Sweetspot

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



52, 72.960, 22.358



85, 22.502, 9.247



53, 98.246, 322.431



43, 15.725, 9.726



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 72.960, 22.358



54, 91.507, 29.848



61, 67.108, 51.225



45, 4.906, 7.685



37, 73.256, 32.616



7, 26.722, 15.393

Inverse Universe

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



52, 72.960, 22.358



54, 91.507, 29.848



66, 40.885, 251.748



45, 4.906, 7.685



37, 73.256, 32.616



7, 26.722, 15.393

Previews

White Background



This preview shows how the CIELCh color 52, 72.963, 22.356 looks on a white 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

Black Background



This preview shows how the CIELCh color 52, 72.963, 22.356 looks on a black 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

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

CIELCh 52, 72.963, 22.356

Background



This preview shows how black text looks on a background with the CIELCh color 52, 72.963, 22.356.



This preview shows how white text looks on a background with the CIELCh color 52, 72.963, 22.356.

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](#).

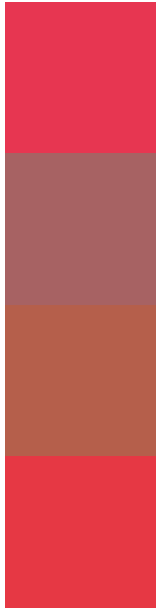
Dichromacy





Tritanopia
52, 76.235, 31.505

Trichromacy



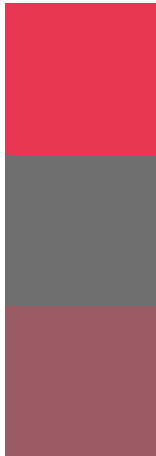
Original Color
52, 72.963, 22.356

Protanomaly
49, 30.303, 22.346

Deuteranomaly
50, 42.573, 39.456

Tritanomaly
52, 74.730, 28.045

Monochromacy



Original Color
52, 72.963, 22.356

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 28.099, 12.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 72.963, 22.356 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(231, 54, 81)` looks like.

```
.text, #text, p{  
    color:rgb(231, 54, 81)  
}
```

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(231, 54, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 54, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 72.963, 22.356 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(231, 54, 81) }
```

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

```
.border{ border-color:rgb(231, 54, 81) }
```

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

Here you see how a box with a 4 pixel rgb(231, 54, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 54, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 54, 81);  
box-shadow:4px 4px 4px 4px rgb(231, 54,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 72.963, 22.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 54, 81) }
```

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

```
.background{ background-color: rgb(231, 54,  
81) }
```

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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