

Converting Colors

CIELCh(55, 72.948, 29.222)

Have a look what the booklet for
CIELCh(55, 72.948, 29.222) contains.

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Color

CIELCh(55, 72.948, 29.222)

Conversions

Conversions Part 1

Format	Color
Hex	ED464A
RGB	237, 70, 74
RGB Percent	93%, 27%, 29%
CMY	0.0699, 0.7248, 0.7093
CMYK	0.00, 0.70, 0.69, 0.07
HSL	359°, 82%, 60%
HSV	359°, 70%, 93%
XYZ	38.4213, 22.9298, 8.9011
YIQ	120.3890, 98.2480, 36.6480

Conversions

Conversions Part 2

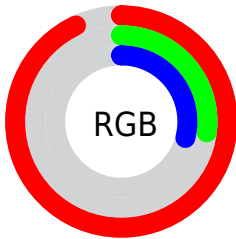
Format	Color
RYB	237, 70, 74
Decimal	15550026
CIELab	55.00, 63.66, 35.61
CIELCh	55, 72.948, 29.222
Yxy	22.9298, 0.5469, 0.3264
Android (android.graphics.Color)	4293740106 (0xFFED464A)
YUV	120.3890, -22.8698, 102.2678
Hunter-Lab	47.8851, 59.4231, 22.4985

Details

The CIELCh color **55, 72.948, 29.222** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **86, 43.576, 193.842**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.078, 27.953**, and **36, 70.525, 31.102** is the 20% darker color. If you saturate the color by 10%, you get **52, 83.389, 32.921**, and if you desaturate by 10%, it is **59, 61.820, 26.094**.

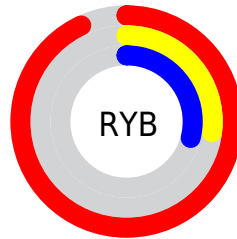
Distribution



Red (93%)

Green (27%)

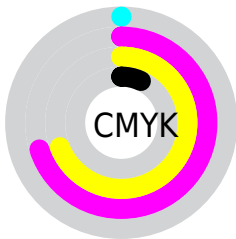
Blue (29%)



Red (93%)

Yellow (27%)

Blue (29%)

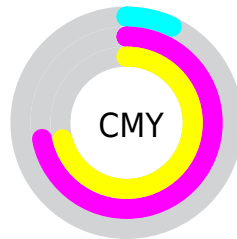


Cyan (0%)

Magenta (70%)

Yellow (69%)

Black (7%)



Cyan (7%)

Magenta (72%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 72.948, 29.222 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 55, 72.948, 29.222 by changing the saturation by 10% instead.

 55, 72.948, 29.222

 55, 72.948, 29.222

 100, 72.948,
29.222

 45, 72.948, 29.222

 75, 72.948, 29.222

 35, 72.948, 29.222

 85, 72.948, 29.222

 25, 72.948, 29.222

 95, 72.948, 29.222

 15, 72.948, 29.222

 5, 72.948, 29.222

 0, 72.948, 29.222

 55, 72.948, 29.222

 55, 72.948, 29.222

 52, 83.389, 32.921

 59, 61.820, 26.094

 50, 92.322, 36.696

 64, 50.496, 23.604

50, 98.034, 39.291

69, 39.345, 21.675

75, 28.635, 20.187

81, 18.531, 19.031

87, 9.101, 18.103

94, 0.349, 15.677

99, 6.121, 199.126

Harmonies

Complementary

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



55, 72.948, 29.222



86, 43.576, 193.842

Rectangle

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



55, 72.948, 29.222



55, 72.948, 79.222



55, 72.948, 209.222



55, 72.948, 259.222

Sweetspot

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



55, 72.945, 29.225



86, 20.270, 19.100



60, 95.458, 326.712



44, 13.861, 19.398



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 72.945, 29.225



55, 92.055, 34.438



69, 60.206, 63.259



47, 4.991, 18.024



38, 80.636, 39.031



8, 29.709, 22.859

Inverse Universe

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



55, 72.945, 29.225



55, 92.055, 34.438



64, 46.862, 268.067



47, 4.991, 18.024



38, 80.636, 39.031



8, 29.709, 22.859

Previews

White Background



This preview shows how the CIELCh color 55, 72.948, 29.222 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 55, 72.948, 29.222 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 55, 72.948, 29.222

Background



This preview shows how black text looks on a background with the CIELCh color 55, 72.948, 29.222.



This preview shows how white text looks on a background with the CIELCh color 55, 72.948, 29.222.

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

55, 72.948, 29.222

Protanopia

55, 20.386, 95.369

Deuteranopia

55, 38.842, 79.377



Tritanopia
55, 72.948, 29.222

Trichromacy



Original Color
55, 72.948, 29.222

Protanomaly
53, 33.363, 43.267

Deuteranomaly
54, 46.657, 49.833

Tritanomaly
55, 72.948, 29.222

Monochromacy



Original Color
55, 72.948, 29.222

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 26.068, 21.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 72.948, 29.222 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(237, 70, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 70, 74)  
}
```

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(237, 70, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 70, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 72.948, 29.222 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(237, 70, 74) }
```

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

```
.border{ border-color:rgb(237, 70, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 70, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 70, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 70, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 70,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 72.948, 29.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 70, 74) }
```

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

```
.background{ background-color: rgb(237, 70,  
74) }
```

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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