

Converting Colors

CIELCh(55, 64.268, 29.579)

Have a look what the booklet for
CIELCh(55, 64.268, 29.579) contains.

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Color

CIELCh(55, 64.557, 29.578)

Conversions

Conversions Part 1

Format	Color
Hex	E35250
RGB	227, 82, 80
RGB Percent	89%, 32%, 31%
CMY	0.1100, 0.6786, 0.6864
CMYK	0.00, 0.64, 0.65, 0.11
HSL	1°, 72%, 60%
HSV	1°, 65%, 89%
XYZ	36.1241, 22.9298, 10.1043
YIQ	125.1270, 87.0620, 30.1180

Conversions

Conversions Part 2

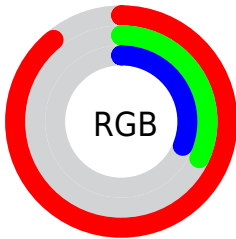
Format	Color
R_{YB}	227, 82, 80
Decimal	14897744
CIE Lab	55.00, 56.14, 31.87
CIE LCh	55, 64.557, 29.578
Yxy	22.9298, 0.5223, 0.3316
Android (android.graphics.Color)	4293087824 (0xFFE35250)
YUV	125.1270, -22.2476, 89.3426
Hunter-Lab	47.8851, 50.8599, 21.0087

Details

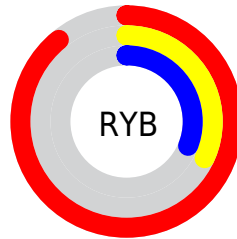
The CIELCh color **55, 64.557, 29.578** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **82, 39.197, 198.372**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 49.939, 29.781**, and **35, 64.650, 29.677** is the 20% darker color. If you saturate the color by 10%, you get **52, 75.428, 32.696**, and if you desaturate by 10%, it is **59, 53.406, 27.030**.

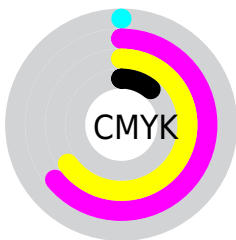
Distribution



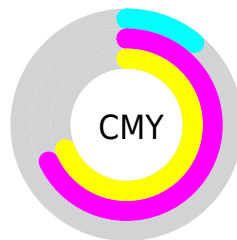
- Red (89%)
- Green (32%)
- Blue (31%)



- Red (89%)
- Yellow (32%)
- Blue (31%)



- Cyan (0%)
- Magenta (64%)
- Yellow (65%)
- Black (11%)



- Cyan (11%)
- Magenta (68%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 64.557, 29.578 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, 64.557, 29.578 by changing the saturation by 10% instead.

 55, 64.557, 29.578

 55, 64.557, 29.578

 100, 64.557,
29.578

 45, 64.557, 29.578

 75, 64.557, 29.578

 35, 64.557, 29.578

 85, 64.557, 29.578

 25, 64.557, 29.578

 95, 64.557, 29.578

 15, 64.557, 29.578

 5, 64.557, 29.578

 0, 64.557, 29.578

 55, 64.557, 29.578

 55, 64.557, 29.578

 52, 75.428, 32.696

 59, 53.406, 27.030

 49, 85.350, 36.108

 64, 42.396, 25.038

48, 92.849, 38.960

69, 31.809, 23.513

47, 95.585, 40.111

75, 21.819, 22.349

81, 12.505, 21.449

87, 3.878, 20.669

93, 4.091, 200.456

98, 9.530, 198.873

Harmonies

Complementary

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



55, 64.557, 29.578



82, 39.197, 198.372

Rectangle

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



55, 64.557, 29.578



55, 64.557, 79.578



55, 64.557, 209.578



55, 64.557, 259.578

Sweetspot

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



55, 64.554, 29.581



87, 17.994, 21.815



60, 87.277, 327.619



45, 12.526, 22.078



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, 64.554, 29.581



57, 86.602, 33.965



69, 53.028, 67.168



45, 4.752, 21.042



37, 79.795, 40.126



6, 26.843, 22.440

Inverse Universe

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



82, 39.197, 198.372



91, 46.752, 198.317



62, 43.998, 269.720



47, 4.474, 200.164



65, 37.614, 198.516



18, 15.830, 198.182

Previews

White Background



This preview shows how the CIELCh color 55, 64.557, 29.578 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, 64.557, 29.578 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, 64.557, 29.578

Background



This preview shows how black text looks on a background with the CIELCh color 55, 64.557, 29.578.



This preview shows how white text looks on a background with the CIELCh color 55, 64.557, 29.578.

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, 64.557, 29.578

Protanopia

55, 18.634, 95.862

Deuteranopia

55, 35.212, 78.042



Tritanopia
55, 63.580, 26.458

Trichromacy



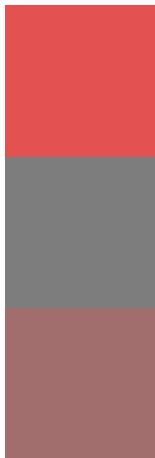
Original Color
55, 64.557, 29.578

Protanomaly
54, 29.276, 45.809

Deuteranomaly
54, 41.903, 50.278

Tritanomaly
55, 63.977, 27.403

Monochromacy



Original Color
55, 64.557, 29.578

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 22.802, 22.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 64.557, 29.578 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(227, 82, 80)` looks like.

```
.text, #text, p{  
    color:rgb(227, 82, 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(227, 82, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 82, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 64.557, 29.578 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(227, 82, 80) }
```

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

```
.border{ border-color:rgb(227, 82, 80) }
```

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

Here you see how a box with a 4 pixel rgb(227, 82, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 82, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 82, 80);  
box-shadow:4px 4px 4px 4px rgb(227, 82,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 64.557, 29.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 82, 80) }
```

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

```
.background{ background-color: rgb(227, 82,  
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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