

Converting Colors

CIELCh(55, 65.350, 28.997)

Have a look what the booklet for
CIELCh(55, 65.350, 28.997) contains.

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Color

CIELCh(55, 65.233, 29.296)

Conversions

Conversions Part 1

Format	Color
Hex	E45150
RGB	228, 81, 80
RGB Percent	89%, 32%, 31%
CMY	0.1062, 0.6826, 0.6865
CMYK	0.00, 0.64, 0.65, 0.11
HSL	0°, 73%, 60%
HSV	0°, 65%, 89%
XYZ	36.3477, 22.9298, 10.0862
YIQ	124.8390, 87.9330, 30.8530

Conversions

Conversions Part 2

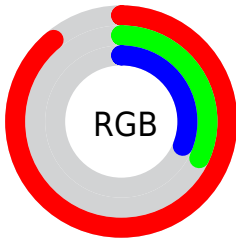
Format	Color
R_{YB}	228, 81, 80
Decimal	14963024
CIE Lab	55.00, 56.89, 31.92
CIE LCh	55, 65.233, 29.296
Yxy	22.9298, 0.5240, 0.3306
Android (android.graphics.Color)	4293153104 (0xFFE45150)
YUV	124.8390, -22.1056, 90.4722
Hunter-Lab	47.8851, 51.6933, 21.0311

Details

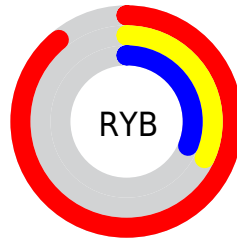
The CIELCh color **55, 65.233, 29.296** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **83, 39.690, 197.551**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 50.242, 29.231**, and **35, 65.371, 29.426** is the 20% darker color. If you saturate the color by 10%, you get **52, 76.099, 32.506**, and if you desaturate by 10%, it is **59, 54.045, 26.671**.

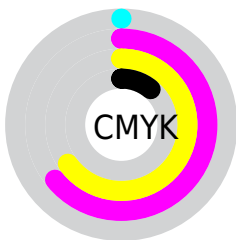
Distribution



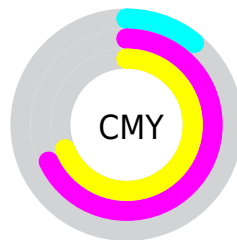
- Red (89%)
- Green (32%)
- Blue (31%)



- 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, 65.233, 29.296 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, 65.233, 29.296 by changing the saturation by 10% instead.

 55, 65.233, 29.296

 55, 65.233, 29.296

 100, 65.233,
29.296

 45, 65.233, 29.296

 75, 65.233, 29.296

 35, 65.233, 29.296

 85, 65.233, 29.296

 25, 65.233, 29.296

 95, 65.233, 29.296


 15, 65.233, 29.296

 5, 65.233, 29.296

 0, 65.233, 29.296

 55, 65.233, 29.296

 55, 65.233, 29.296

 52, 76.099, 32.506

 59, 54.045, 26.671

 49, 85.966, 36.012

 64, 42.965, 24.618

48, 93.341, 38.930

70, 32.287, 23.046

48, 95.977, 40.054

75, 22.196, 21.843

81, 12.780, 20.912

87, 4.055, 20.110

94, 4.008, 199.869

98, 9.214, 198.895

Harmonies

Complementary

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



55, 65.233, 29.296



83, 39.690, 197.551

Rectangle

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



55, 65.233, 29.296



55, 65.233, 79.296



55, 65.233, 209.296



55, 65.233, 259.296

Sweetspot

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



55, 65.230, 29.299



87, 18.115, 21.276



60, 87.727, 327.625



45, 12.609, 21.546



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, 65.230, 29.299



57, 86.843, 33.747



70, 53.357, 67.143



45, 4.784, 20.478



37, 79.890, 40.048



6, 26.975, 22.093

Inverse Universe

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



83, 39.690, 197.551



91, 47.145, 197.406



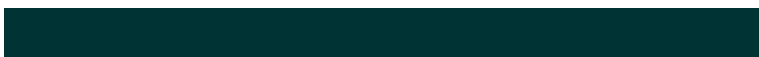
62, 44.252, 269.784



47, 4.506, 199.555



66, 37.979, 197.427



18, 15.961, 197.265

Previews

White Background



This preview shows how the CIELCh color 55, 65.233, 29.296 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, 65.233, 29.296 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, 65.233, 29.296

Background



This preview shows how black text looks on a background with the CIELCh color 55, 65.233, 29.296.



This preview shows how white text looks on a background with the CIELCh color 55, 65.233, 29.296.

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, 65.233, 29.296

Protanopia

55, 18.634, 95.862

Deuteranopia

55, 35.212, 78.042



Tritanopia
55, 64.459, 26.679

Trichromacy



Original Color
55, 65.233, 29.296

Protanomaly
53, 29.867, 44.283

Deuteranomaly
54, 41.903, 50.278

Tritanomaly
55, 64.862, 27.609

Monochromacy



Original Color
55, 65.233, 29.296

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, 65.233, 29.296 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(228, 81, 80)` looks like.

```
.text, #text, p{  
    color:rgb(228, 81, 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(228, 81, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 81, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 65.233, 29.296 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(228, 81, 80) }
```

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

```
.border{ border-color:rgb(228, 81, 80) }
```

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

Here you see how a box with a 4 pixel rgb(228, 81, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 81, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 81, 80);  
box-shadow:4px 4px 4px 4px rgb(228, 81,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 65.233, 29.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 81, 80) }
```

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

```
.background{ background-color: rgb(228, 81,  
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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