

Converting Colors

CIELCh(55, 87.201, 34.168)

Have a look what the booklet for
CIELCh(55, 87.201, 34.168) contains.

CIELCh(55, 87.245, 34.238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 87.245, 34.238)

Conversions

Conversions Part 1

Format	Color
Hex	FA3433
RGB	250, 52, 51
RGB Percent	98%, 20%, 20%
CMY	0.0208, 0.7974, 0.8008
CMYK	0.00, 0.79, 0.80, 0.02
HSL	0°, 95%, 59%
HSV	0°, 80%, 98%
XYZ	41.1204, 22.9298, 5.3661
YIQ	111.0880, 118.3290, 41.6650

Conversions

Conversions Part 2

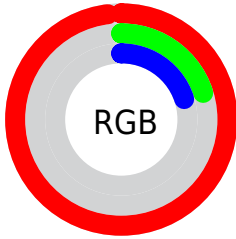
Format	Color
R_{YB}	250, 52, 51
Decimal	16397363
CIE Lab	55.00, 72.13, 49.09
CIE LCh	55, 87.245, 34.238
Yxy	22.9298, 0.5924, 0.3303
Android (android.graphics.Color)	4294587443 (0xFFFA3433)
YUV	111.0880, -29.6234, 121.8258
Hunter-Lab	47.8851, 69.4844, 26.8754

Details

The CIELCh color **55, 87.245, 34.238** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **89, 46.856, 197.095**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 62.580, 34.250**, and **38, 80.620, 38.895** is the 20% darker color. If you saturate the color by 10%, you get **53, 96.742, 37.650**, and if you desaturate by 10%, it is **58, 75.981, 30.769**.

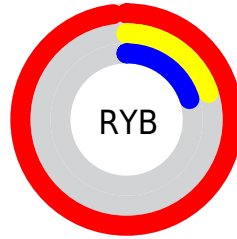
Distribution



Red (98%)

Green (20%)

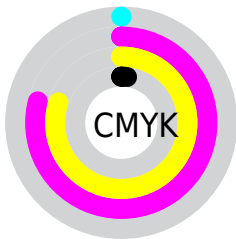
Blue (20%)



Red (98%)

Yellow (20%)

Blue (20%)

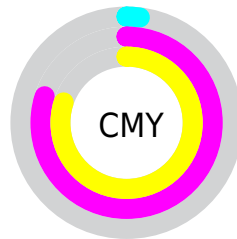


Cyan (0%)

Magenta (79%)

Yellow (80%)

Black (2%)



Cyan (2%)

Magenta (80%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 87.245, 34.238 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, 87.245, 34.238 by changing the saturation by 10% instead.

 55, 87.245, 34.238

 55, 87.245, 34.238

 100, 87.245,
34.238

 45, 87.245, 34.238

 75, 87.245, 34.238

 35, 87.245, 34.238

 85, 87.245, 34.238

 25, 87.245, 34.238

 95, 87.245, 34.238

 15, 87.245, 34.238

 5, 87.245, 34.238


 0, 87.245, 34.238

 55, 87.245, 34.238

 55, 87.245, 34.238

 53, 96.742, 37.650

 58, 75.981, 30.769

 52, 102.688,

 62, 64.047, 27.797

39.959

67, 52.006, 25.434

52, 102.868,
40.032

73, 40.247, 23.613

79, 29.034, 22.223

85, 18.515, 21.157

92, 8.742, 20.311

98, 0.295, 201.978

100, 1.841,
199.648

Harmonies

Complementary

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



55, 87.245, 34.238



89, 46.856, 197.095

Rectangle

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



55, 87.245, 34.238



55, 87.245, 84.238



55, 87.245, 214.238



55, 87.245, 264.238

Sweetspot

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



55, 87.242, 34.240



84, 23.388, 21.589



61, 106.708, 328.020



42, 16.289, 21.980



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, 87.242, 34.240



54, 102.529, 39.243



71, 71.170, 64.806



49, 5.144, 20.298



39, 83.330, 40.045



9, 32.099, 26.364

Inverse Universe

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



89, 46.856, 197.095



91, 49.599, 197.071



61, 57.855, 275.773



51, 4.842, 199.349



69, 39.709, 197.072



23, 17.980, 196.985

Previews

White Background



This preview shows how the CIELCh color 55, 87.245, 34.238 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, 87.245, 34.238 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, 87.245, 34.238

Background



This preview shows how black text looks on a background with the CIELCh color 55, 87.245, 34.238.



This preview shows how white text looks on a background with the CIELCh color 55, 87.245, 34.238.

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, 87.245, 34.238

Protanopia

55, 33.616, 95.913

Deuteranopia

55, 52.686, 82.050



Tritanopia
55, 86.982, 33.948

Trichromacy



Original Color
55, 87.245, 34.238

Protanomaly
52, 45.280, 50.754

Deuteranomaly
53, 60.276, 54.094

Tritanomaly
55, 86.982, 33.948

Monochromacy



Original Color
55, 87.245, 34.238

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 32.285, 23.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 87.245, 34.238 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(250, 52, 51)` looks like.

```
.text, #text, p{  
    color:rgb(250, 52, 51)  
}
```

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(250, 52, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 52, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 87.245, 34.238 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(250, 52, 51) }
```

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

```
.border{ border-color:rgb(250, 52, 51) }
```

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

Here you see how a box with a 4 pixel rgb(250, 52, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 52, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 52, 51);  
box-shadow:4px 4px 4px 4px rgb(250, 52,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 87.245, 34.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 52, 51) }
```

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

```
.background{ background-color: rgb(250, 52,  
51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor