

Converting Colors

CIELCh(53, 87.251, 34.937)

Have a look what the booklet for
CIELCh(53, 87.251, 34.937) contains.

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Color

CIELCh(53, 87.246, 34.981)

Conversions

Conversions Part 1

Format	Color
Hex	F22E2C
RGB	242, 46, 44
RGB Percent	95%, 18%, 17%
CMY	0.0494, 0.8215, 0.8264
CMYK	0.00, 0.81, 0.82, 0.05
HSL	0°, 89%, 56%
HSV	0°, 82%, 95%
XYZ	38.1722, 21.0462, 4.4608
YIQ	104.3760, 117.4580, 40.9300

Conversions

Conversions Part 2

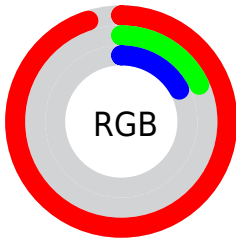
Format	Color
R_{YB}	242, 46, 44
Decimal	15871532
CIE Lab	53.00, 71.48, 50.02
CIE LCh	53, 87.246, 34.981
Yxy	21.0462, 0.5994, 0.3305
Android (android.graphics.Color)	4294061612 (0xFFFF22E2C)
YUV	104.3760, -29.7654, 120.6962
Hunter-Lab	45.8761, 68.2417, 26.3481

Details

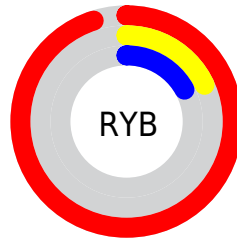
The CIELCh color **53, 87.246, 34.981** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **87, 46.073, 197.320**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 65.611, 35.208**, and **36, 79.131, 39.953** is the 20% darker color. If you saturate the color by 10%, you get **51, 95.988, 38.226**, and if you desaturate by 10%, it is **56, 76.458, 31.488**.

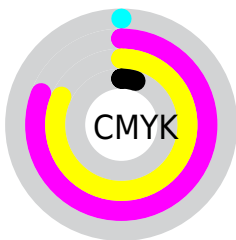
Distribution



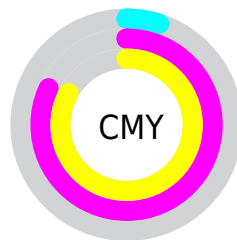
- Red (95%)
- Green (18%)
- Blue (17%)



- Red (95%)
- Yellow (18%)
- Blue (17%)



- Cyan (0%)
- Magenta (81%)
- Yellow (82%)
- Black (5%)



- Cyan (5%)
- Magenta (82%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 87.246, 34.981 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 53, 87.246, 34.981 by changing the saturation by 10% instead.

 53, 87.246, 34.981  53, 87.246, 34.981

 100, 87.246,
34.981  43, 87.246, 34.981


 73, 87.246, 34.981  33, 87.246, 34.981

 83, 87.246, 34.981  23, 87.246, 34.981

 93, 87.246, 34.981  13, 87.246, 34.981

 3, 87.246, 34.981

 0, 87.246, 34.981

 53, 87.246, 34.981  53, 87.246, 34.981

 51, 95.988, 38.226  56, 76.458, 31.488

 51, 100.562,
34.981  60, 64.879, 28.425

40.046

64, 53.113, 25.963

70, 41.562, 24.057

75, 30.507, 22.602

82, 20.108, 21.487

88, 10.433, 20.615

94, 1.482, 19.596

99, 4.346, 199.282

Harmonies

Complementary

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



53, 87.246, 34.981



87, 46.073, 197.320

Rectangle

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



53, 87.246, 34.981



53, 87.246, 84.981



53, 87.246, 214.981



53, 87.246, 264.981

Sweetspot

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



53, 87.243, 34.983



83, 24.416, 21.827



59, 105.477, 328.055



42, 16.884, 22.219



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 87.243, 34.983



53, 103.480, 39.637



69, 71.195, 64.449



48, 5.049, 20.440



39, 82.464, 40.064



8, 30.886, 25.334

Inverse Universe

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



87, 46.073, 197.320



91, 49.570, 197.353



59, 57.897, 276.617



50, 4.753, 199.504



68, 39.210, 197.346



21, 17.454, 197.218

Previews

White Background



This preview shows how the CIELCh color 53, 87.246, 34.981 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 53, 87.246, 34.981 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 53, 87.246, 34.981

Background



This preview shows how black text looks on a background with the CIELCh color 53, 87.246, 34.981.



This preview shows how white text looks on a background with the CIELCh color 53, 87.246, 34.981.

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

53, 87.095, 35.114

Protanopia

53, 34.830, 95.867

Deuteranopia

53, 53.857, 83.094



Tritanopia
53, 86.981, 34.701

Trichromacy



Original Color
53, 87.095, 35.114

Protanomaly
50, 46.223, 51.173

Deuteranomaly
51, 61.138, 55.370

Tritanomaly
53, 86.981, 34.701

Monochromacy



Original Color
53, 87.095, 35.114

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 32.361, 25.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 87.246, 34.981 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(242, 46, 44)` looks like.

```
.text, #text, p{  
    color:rgb(242, 46, 44)  
}
```

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(242, 46, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 46, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 87.246, 34.981 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(242, 46, 44) }
```

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

```
.border{ border-color:rgb(242, 46, 44) }
```

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

Here you see how a box with a 4 pixel rgb(242, 46, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 46, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 46, 44);  
box-shadow:4px 4px 4px 4px rgb(242, 46,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 87.246, 34.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 46, 44) }
```

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

```
.background{ background-color: rgb(242, 46,  
44) }
```

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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