Converting Colors

RGB(38, 230, 53)

Have a look what the booklet for RGB(38, 230, 53) contains.

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Color

RGB(38, 230, 53)

Conversions

Conversions Part 1

Format	Color
Hex	26E635
RGB	38, 230, 53
RGB Percent	15%, 90%, 21%
CMY	0.8510, 0.0980, 0.7922
CMYK	0.83, 0.00, 0.77, 0.10
HSL	125°, 79%, 53%
HSV	125°, 83%, 90%
XYZ	29.7387, 57.2627, 12.8536
YIQ	152.4140, -57.6150, -95.7510

Conversions

Conversions Part 2

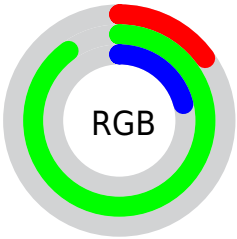
Format	Color
RYB	38, 216, 230
Decimal	2549301
CIELab	80.33, -75.76, 67.97
CIELCh	80, 101.783, 138.103
Yxy	57.2627, 0.2978, 0.5735
Android (android.graphics.Color)	4280739381 (0xFF26E635)
YUV	152.4140, -49.0111, -100.3411
Hunter-Lab	75.6721, -62.2767, 42.8996

Details

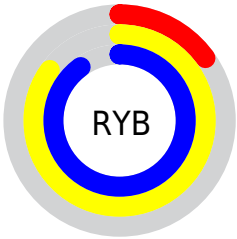
The RGB color 38, 230, 53 is a dark color, and the websafe version is hex 00CC00. The color can be described as dark washed green. A complement of this color would be 230, 38, 215, and the grayscale version is 153, 153, 153.

A 20% lighter version of the original color is 121, 255, 112, and 0, 173, 0 is the 20% darker color. If you saturate the color by 10%, you get 15, 230, 32, and if you desaturate by 10%, it is 61, 230, 74.

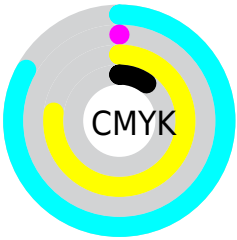
Distribution



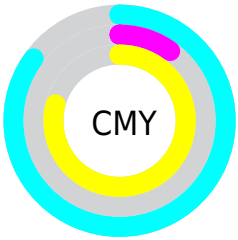
- Red (15%)
- Green (90%)
- Blue (21%)



- Red (15%)
- Yellow (85%)
- Blue (90%)



- Cyan (83%)
- Magenta (0%)
- Yellow (77%)
- Black (10%)



- Cyan (85%)
- Magenta (10%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the RGB color 38, 230, 53 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 RGB color 38, 230, 53 by changing the saturation by 10% instead.

38, 230, 53

255, 255, 255

121, 255, 112

154, 255, 140

186, 255, 169

218, 255, 198

250, 255, 227

38, 230, 53

0, 201, 10

0, 173, 0

0, 145, 0

0, 118, 0

0, 91, 0

0, 66, 0

0, 41, 0

0, 2, 0

0, 0, 0

38, 230, 53

15, 230, 32

0, 230, 18

38, 230, 53

61, 230, 74

84, 230, 95

107, 230, 117

130, 230, 138

153, 230, 159

176, 230, 180

199, 230, 201

222, 230, 223

245, 230, 244

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

185, 212, 0

38, 230, 53

0, 239, 157

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

38, 230, 53

0, 222, 255

255, 89, 147

Complementary

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

38, 230, 53

230, 38, 215

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

255, 92, 241

38, 230, 53

83, 191, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

38, 230, 53

0, 237, 255

255, 143, 255

255, 136, 54

Rectangle

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

38, 230, 53

0, 241, 223

255, 143, 255

255, 81, 178

Sweetspot

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

38, 230, 53

191, 255, 196

217, 230, 38

89, 128, 92

0, 0, 0

128, 128, 128

Same Dimension

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

38, 230, 53

0, 255, 20

38, 230, 147

103, 115, 104

0, 179, 14

0, 51, 4

Inverse Universe

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

230, 38, 215

255, 0, 235

230, 38, 121

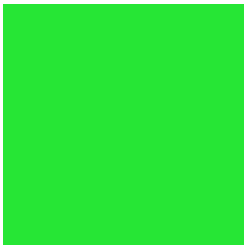
115, 103, 114

179, 0, 165

51, 0, 47

Previews

White Background

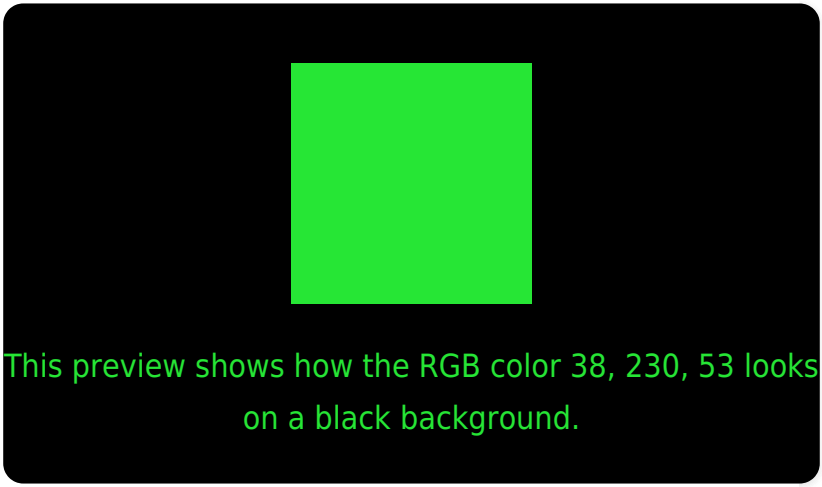


This preview shows how the RGB color 38, 230, 53 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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 ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 38, 230, 53 Background

This preview shows how black text looks on a background with the RGB color 38, 230, 53.

This preview shows how white text looks on a background with the RGB color 38, 230, 53.

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
38, 230, 53

Protanopia
222, 198, 45

Deuteranopia
246, 187, 71

Tritanopia
101, 214, 232

Trichromacy

Original Color
38, 230, 53

Protanomaly
155, 210, 48

Deuteranomaly
170, 203, 64

Tritanomaly
78, 220, 167

Monochromacy

Original Color
38, 230, 53

Achromatopsia
152, 152, 152

Achromatomaly
111, 180, 116

CSS Examples

Text

The CSS property to change the color of the text to RGB 38, 230, 53 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(38, 230, 53) looks like.

```
.text, #text, p{
    color:rgb(38, 230, 53)
}
```

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(38, 230, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 230, 53) }
```

Border

The CSS property to change the border of an element to RGB 38, 230, 53 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(38, 230, 53) }
```

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

```
.border{ border-color:rgb(38, 230, 53) }
```

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

Here you see how a box with a 4 pixel rgb(38, 230, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(38, 230, 53); -webkit-box-shadow:4px 4px 4px 4px rgb(38, 230, 53); box-shadow:4px 4px 4px 4px rgb(38, 230, 53) }
```

Background

The CSS property to change the background color of an element to RGB 38, 230, 53 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(38, 230, 53) }
```

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

```
.background{ background-color:rgb(38, 230, 53) }
```

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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