

Converting Colors

`RYB(40, 255, 173)`

Have a look what the booklet for
RYB(40, 255, 173) contains.

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Color

RYB(40, 255, 173)

Conversions

Conversions Part 1

Format	Color
Hex	7AFF28
RGB	122, 255, 40
RGB Percent	48%, 100%, 16%
CMY	0.5216, 0.0000, 0.8431
CMYK	0.52, 0.00, 0.84, 0.00
HSL	97°, 100%, 58%
HSV	97°, 84%, 100%
XYZ	44.1690, 75.8108, 14.3125
YIQ	190.7230, -10.2530, -95.0610

Conversions

Conversions Part 2

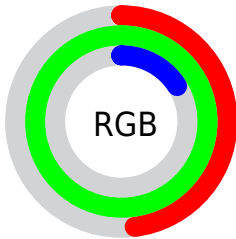
Format	Color
RYB	40, 255, 173
Decimal	8060712
CIELab	89.77, -68.63, 80.67
CIELCh	90, 105.915, 130.387
Yxy	75.8108, 0.3289, 0.5645
Android (android.graphics.Color)	4286250792 (0xFF7AFF28)
YUV	190.7230, -74.3064, -60.2701
Hunter-Lab	87.0694, -61.8209, 51.2025

Details

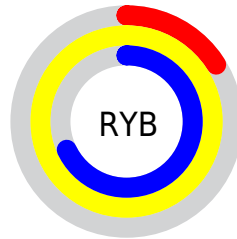
The RYB color **40, 255, 173** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **173, 40, 255**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **107, 255, 177**, and **0, 197, 148** is the 20% darker color. If you saturate the color by 10%, you get **15, 255, 164**, and if you desaturate by 10%, it is **66, 255, 183**.

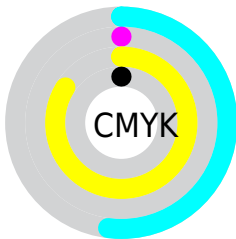
Distribution



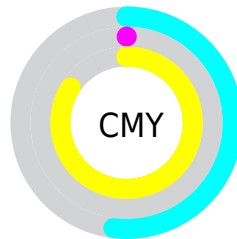
- Red (48%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (68%)



- Cyan (52%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)




















- Cyan (52%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the RYB color 40, 255, 173 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 RYB color 40, 255, 173 by changing the saturation by 10% instead.

 40, 255, 173	 40, 255, 173
 255, 255, 255	 0, 226, 138
 107, 255, 177	 0, 197, 148
 137, 255, 176	 0, 169, 169
 167, 255, 175	 0, 142, 142
 196, 255, 196	 0, 115, 115
 226, 255, 226	 0, 89, 89
	 0, 64, 64
	 0, 39, 39
	 0, 0, 0


 40, 255, 173

 40, 255, 173

 15, 255, 164

 66, 255, 183

 0, 255, 158

 91, 255, 192

 117, 255, 203

 142, 255, 212

 168, 255, 222

 193, 255, 231

 219, 255, 242

 244, 255, 251

255, 255, 255

Harmonies

Analogous

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



6, 238, 0



40, 255, 173



0, 159, 255

Triad

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



40, 255, 173



0, 128, 255



255, 109, 195

Complementary

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



40, 255, 173



173, 40, 255

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, 128, 255



40, 255, 173



0, 120, 255

Square

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



40, 255, 173



0, 128, 255



255, 181, 255



255, 169, 98

Rectangle

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



40, 255, 173



0, 136, 255



255, 181, 255



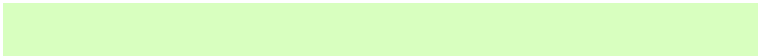
255, 108, 229

Sweetspot

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



40, 255, 173



191, 255, 230



173, 255, 40



89, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



40, 255, 173



0, 255, 158



40, 233, 255



115, 128, 123



0, 191, 118



0, 64, 40

Inverse Universe

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



173, 40, 255



158, 0, 255



255, 40, 230



123, 115, 128



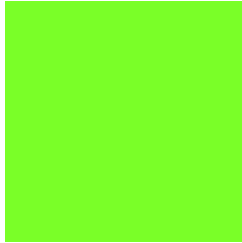
118, 0, 191



39, 0, 64

Previews

White Background



This preview shows how the RYB color 40, 255, 173 looks on a white background.

Color Contrast Check

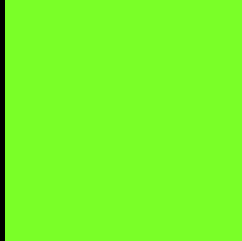
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 40, 255, 173 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

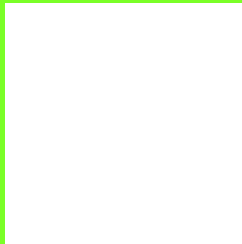
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 40, 255, 173 Background



This preview shows how black text looks on a background with the RYB color 40, 255, 173.



This preview shows how white text looks on a background with the RYB color 40, 255, 173.

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
40, 255, 173

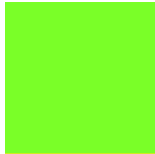
Protanopia
62, 252, 31

Deuteranopia
231, 255, 167



Tritanopia
161, 203, 255

Trichromacy



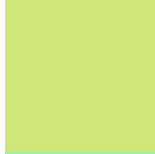
Original Color

40, 255, 173



Protanomaly

34, 236, 65



Deuteranomaly

121, 231, 145



Tritanomaly

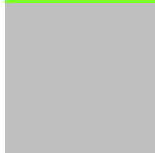
147, 221, 244

Monochromacy



Original Color

40, 255, 173



Achromatopsia

191, 191, 191



Achromatomaly

136, 214, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 40, 255, 173 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(122, 255, 40)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 40)  
}
```

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(122, 255, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 40) }
```

Border

The CSS property to change the border of an element to RYB 40, 255, 173 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(122, 255, 40) }
```

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

```
.border{ border-color:rgb(122, 255, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 40);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
40) }
```

Background

The CSS property to change the background color of an element to RGB 122, 255, 40 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 40) }
```

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

```
.background{ background-color: rgb(122,  
255, 40) }
```

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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