

Converting Colors

`RYB(52, 248, 223)`

Have a look what the booklet for
RYB(52, 248, 223) contains.

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Color

R_YB(52, 248, 223)

Conversions

Conversions Part 1

Format	Color
Hex	4DF834
RGB	77, 248, 52
RGB Percent	30%, 97%, 20%
CMY	0.6980, 0.0275, 0.7961
CMYK	0.69, 0.00, 0.79, 0.03
HSL	112°, 93%, 59%
HSV	112°, 79%, 97%
XYZ	37.2478, 68.9605, 14.5964
YIQ	174.5270, -39.0000, -97.2080

Conversions

Conversions Part 2

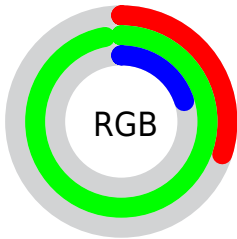
Format	Color
RYB	52, 248, 223
Decimal	5109812
CIELab	86.48, -75.85, 74.34
CIElCh	86, 106.203, 135.576
Yxy	68.9605, 0.3083, 0.5708
Android (android.graphics.Color)	4283299892 (0xFF4DF834)
YUV	174.5270, -60.4058, -85.5312
Hunter-Lab	83.0425, -65.2601, 47.7083

Details

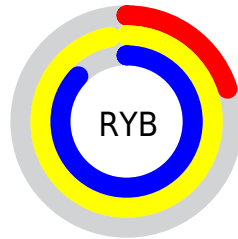
The RYB color **52, 248, 223** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **223, 52, 248**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **114, 255, 222**, and **0, 190, 190** is the 20% darker color. If you saturate the color by 10%, you get **27, 248, 220**, and if you desaturate by 10%, it is **77, 248, 226**.

Distribution



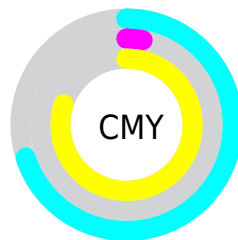
- Red (30%)
- Green (97%)
- Blue (20%)



- Red (20%)
- Yellow (97%)
- Blue (87%)



- Cyan (69%)
- Magenta (0%)
- Yellow (79%)
- Black (3%)



















- Cyan (70%)
- Magenta (3%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 52, 248, 223 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 52, 248, 223 by changing the saturation by 10% instead.

 52, 248, 223	 52, 248, 223
255, 255, 255	 0, 219, 197
 114, 255, 222	 0, 190, 190
 143, 255, 218	 0, 162, 162
 172, 255, 216	 0, 134, 134
 201, 255, 213	 0, 108, 108
 231, 255, 231	 0, 81, 81
	 0, 57, 57
	 0, 31, 31
	 0, 0, 0

 52, 248, 223

 52, 248, 223

 27, 248, 220

 77, 248, 226

 2, 248, 216

 102, 248, 230

 0, 248, 216

 126, 248, 232

 151, 248, 235

 176, 248, 239

 201, 248, 242

 226, 248, 246

 250, 248, 250

 255, 248, 255

Harmonies

Analogous

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



0, 228, 17



52, 248, 223



0, 156, 255

Triad

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



52, 248, 223



0, 124, 255



255, 99, 169

Complementary

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



52, 248, 223



223, 52, 248

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, 108, 255



52, 248, 223



47, 139, 255

Square

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



52, 248, 223



0, 128, 255



255, 162, 255



255, 196, 72

Rectangle

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



52, 248, 223



0, 133, 255



255, 162, 255



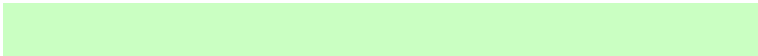
255, 94, 202

Sweetspot

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



52, 248, 223



194, 255, 247



82, 248, 52



91, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



52, 248, 223



13, 255, 224



52, 195, 248



112, 125, 123



0, 189, 165



0, 61, 53

Inverse Universe

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



223, 52, 248



224, 13, 255



248, 52, 176



123, 112, 125



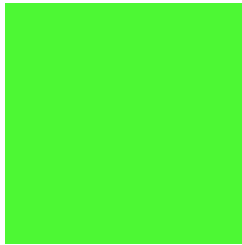
165, 0, 189



53, 0, 61

Previews

White Background



This preview shows how the RYB color 52, 248, 223 looks on a white background.

Color Contrast Check

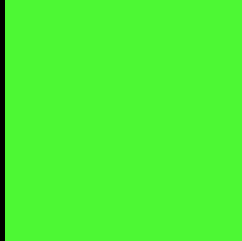
Large Text (above 18pt) WCAG AA × Fail

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 52, 248, 223 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

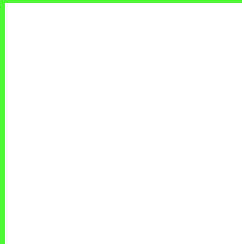
Any Text WCAG AAA ✓ Pass

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

RGB 52, 248, 223 Background



This preview shows how black text looks on a background with the RGB color 52, 248, 223.

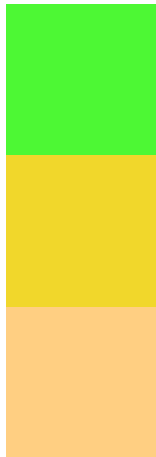


This preview shows how white text looks on a background with the RGB color 52, 248, 223.

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](#).

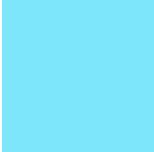
Dichromacy



Original Color
52, 248, 223

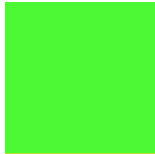
Protanopia
73, 241, 43

Deuteranopia
208, 255, 130



Tritanopia
125, 182, 250

Trichromacy



Original Color

52, 248, 223



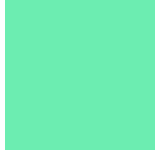
Protanomaly

46, 227, 92



Deuteranomaly

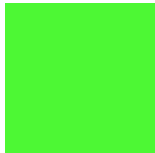
102, 222, 134



Tritanomaly

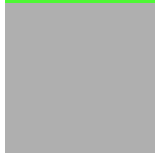
108, 192, 237

Monochromacy



Original Color

52, 248, 223



Achromatopsia

175, 175, 175



Achromatomaly

130, 202, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 52, 248, 223 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(77, 248, 52)` looks like.

```
.text, #text, p{  
    color:rgb(77, 248, 52)  
}
```

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(77, 248, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 248, 52) }
```

Border

The CSS property to change the border of an element to RYB 52, 248, 223 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(77, 248, 52) }
```

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

```
.border{ border-color:rgb(77, 248, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 248, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 248, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 248, 52);  
box-shadow:4px 4px 4px 4px rgb(77, 248,  
52) }
```

Background

The CSS property to change the background color of an element to RGB 52, 248, 223 is called "background".

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

```
.background, #background, body{  
background: rgb(77, 248, 52) }
```

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

```
.background{ background-color: rgb(77, 248,  
52) }
```

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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