

Converting Colors

`RYB(52, 195, 226)`

Have a look what the booklet for
RYB(52, 195, 226) contains.

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Color

`RYB(52, 195, 226)`

Conversions

Conversions Part 1

Format	Color
Hex	34E25A
RGB	52, 226, 90
RGB Percent	20%, 89%, 35%
CMY	0.7961, 0.1137, 0.6482
CMYK	0.77, 0.00, 0.60, 0.11
HSL	133°, 75%, 55%
HSV	133°, 77%, 89%
XYZ	30.4461, 55.8562, 18.7872
YIQ	158.4700, -60.0480, -79.1840

Conversions

Conversions Part 2

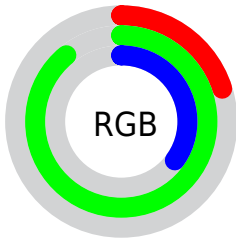
Format	Color
RYB	52, 195, 226
Decimal	3465818
CIELab	79.53, -69.66, 53.37
CIELCh	80, 87.756, 142.546
Yxy	55.8562, 0.2897, 0.5315
Android (android.graphics.Color)	4281655898 (0xFF34E25A)
YUV	158.4700, -33.7557, -93.3742
Hunter-Lab	74.7370, -58.0731, 37.4117

Details

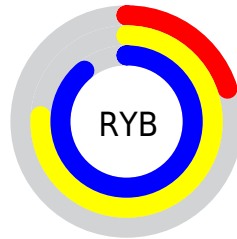
The RYB color **52, 195, 226** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **226, 52, 188**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **126, 239, 255**, and **0, 140, 169** is the 20% darker color. If you saturate the color by 10%, you get **29, 191, 226**, and if you desaturate by 10%, it is **75, 200, 226**.

Distribution



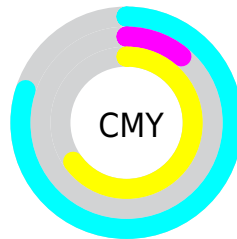
- Red (20%)
- Green (89%)
- Blue (35%)



- Red (20%)
- Yellow (76%)
- Blue (89%)



- Cyan (77%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)



- Cyan (80%)
- Magenta (11%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 52, 195, 226 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, 195, 226 by changing the saturation by 10% instead.



52, 195, 226



52, 195, 226

255, 255, 255



0, 149, 197



126, 239, 255



0, 141, 169



157, 243, 255



0, 141, 141



189, 246, 255



0, 115, 115



220, 248, 255



0, 88, 88



251, 253, 255



0, 63, 63



0, 39, 39



0, 0, 0



52, 195, 226



52, 195, 226

■ 29, 191, 226

■ 75, 200, 226

■ 7, 187, 226

■ 97, 203, 226

■ 0, 186, 226

■ 120, 207, 226

■ 142, 211, 226

■ 165, 215, 226

■ 188, 219, 226

■ 210, 223, 226

■ 233, 226, 231

■ 255, 226, 249

Harmonies

Analogous

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



0, 211, 35



52, 195, 226



0, 134, 233

Triad

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



52, 195, 226



0, 116, 255



255, 117, 140

Complementary

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



52, 195, 226



226, 52, 188

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, 113, 221



52, 195, 226



151, 176, 255

Square

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



52, 195, 226



0, 121, 255



255, 145, 255



255, 222, 65

Rectangle

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



52, 195, 226



0, 119, 235



255, 145, 255



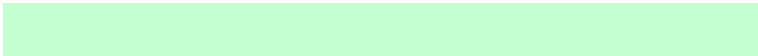
255, 111, 166

Sweetspot

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



52, 195, 226



196, 244, 255



52, 226, 90



92, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



52, 195, 226



20, 213, 255



52, 153, 226



101, 110, 112



0, 145, 176



0, 39, 48

Inverse Universe

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



226, 52, 188



255, 20, 204



226, 52, 101



112, 101, 110



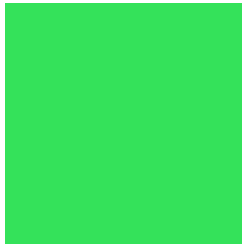
176, 0, 138



48, 0, 38

Previews

White Background



This preview shows how the RYB color 52, 195, 226 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, 195, 226 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](#).

RYB 52, 195, 226 Background



This preview shows how black text looks on a background with the RYB color 52, 195, 226.

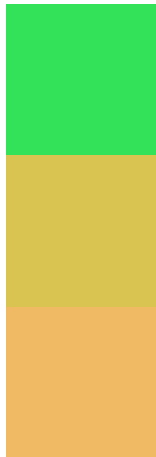


This preview shows how white text looks on a background with the RYB color 52, 195, 226.

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](#).

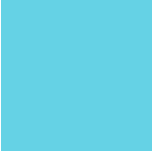
Dichromacy



Original Color
52, 195, 226

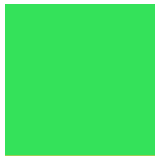
Protanopia
106, 217, 81

Deuteranopia
189, 240, 101



Tritanopia
101, 160, 229

Trichromacy



Original Color

52, 195, 226



Protanomaly

84, 207, 134



Deuteranomaly

97, 201, 126



Tritanomaly

83, 161, 217

Monochromacy



Original Color

52, 195, 226



Achromatopsia

158, 158, 158



Achromatomaly

119, 172, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 52, 195, 226 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(52, 226, 90)` looks like.

```
.text, #text, p{  
    color:rgb(52, 226, 90)  
}
```

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(52, 226, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 226, 90) }
```

Border

The CSS property to change the border of an element to RYB 52, 195, 226 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(52, 226, 90) }
```

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

```
.border{ border-color:rgb(52, 226, 90) }
```

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

Here you see how a box with a 4 pixel rgb(52, 226, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 226, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 226, 90);  
box-shadow:4px 4px 4px 4px rgb(52, 226,  
90) }
```

Background

The CSS property to change the background color of an element to RGB 52, 195, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 226, 90) }
```

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

```
.background{ background-color: rgb(52, 226,  
90) }
```

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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