

Converting Colors

`RYB(56, 188, 255)`

Have a look what the booklet for
RYB(56, 188, 255) contains.

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Color

R_YB(56, 188, 255)

Conversions

Conversions Part 1

Format	Color
Hex	38FF9D
RGB	56, 255, 157
RGB Percent	22%, 100%, 62%
CMY	0.7804, 0.0000, 0.3843
CMYK	0.78, 0.00, 0.38, 0.00
HSL	150°, 100%, 61%
HSV	150°, 78%, 100%
XYZ	43.4773, 74.7953, 44.0471
YIQ	184.3270, -87.1460, -72.6660

Conversions

Conversions Part 2

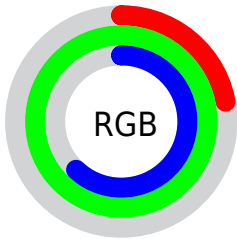
Format	Color
RYB	56, 188, 255
Decimal	3735453
CIELab	89.30, -68.61, 33.63
CIELCh	89, 76.413, 153.889
Yxy	74.7953, 0.2678, 0.4608
Android (android.graphics.Color)	4281925533 (0xFF38FF9D)
YUV	184.3270, -13.4722, -112.5428
Hunter-Lab	86.4843, -61.6121, 30.3421

Details

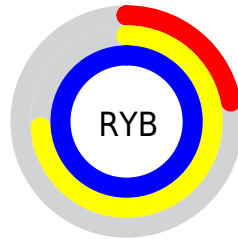
The RYB color **56, 188, 255** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **255, 56, 154**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **133, 207, 255**, and **0, 129, 197** is the 20% darker color. If you saturate the color by 10%, you get **30, 179, 255**, and if you desaturate by 10%, it is **82, 197, 255**.

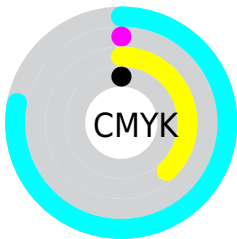
Distribution



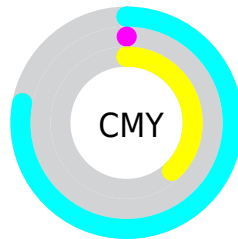
- Red (22%)
- Green (100%)
- Blue (62%)



- Red (22%)
- Yellow (74%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



















- Cyan (78%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 56, 188, 255 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 56, 188, 255 by changing the saturation by 10% instead.

 56, 188, 255	 56, 188, 255
 255, 255, 255	 0, 143, 226
 133, 207, 255	 0, 129, 197
 165, 214, 255	 0, 115, 169
 197, 226, 255	 0, 101, 141
 229, 242, 255	 0, 90, 114
	 0, 84, 88
	 0, 63, 63
	 0, 38, 38
	 0, 0, 0

■ 56, 188, 255

■ 56, 188, 255

■ 30, 179, 255

■ 82, 197, 255

■ 5, 171, 255

■ 107, 205, 255

■ 0, 169, 255

■ 132, 213, 255

■ 158, 222, 255

■ 183, 231, 255

■ 209, 240, 255

■ 235, 248, 255

255, 255, 255

Harmonies

Analogous

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



95, 243, 159



56, 188, 255



0, 134, 255

Triad

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



56, 188, 255



76, 158, 255



255, 175, 147

Complementary

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



56, 188, 255



255, 56, 154

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, 157, 218



56, 188, 255



240, 201, 255

Square

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



56, 188, 255



0, 126, 255



255, 171, 255



181, 255, 91

Rectangle

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



56, 188, 255



0, 128, 255



255, 171, 255



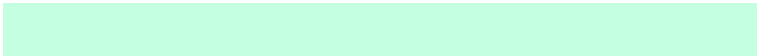
255, 163, 170

Sweetspot

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



56, 188, 255



196, 235, 255



56, 255, 156



92, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



56, 188, 255



15, 174, 255



56, 156, 255



115, 124, 128



0, 127, 191



0, 43, 64

Inverse Universe

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



255, 56, 154



255, 15, 133



255, 56, 56



128, 115, 121



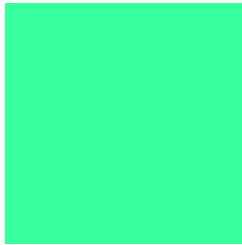
191, 0, 94



64, 0, 31

Previews

White Background



This preview shows how the RYB color 56, 188, 255 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 56, 188, 255 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 56, 188, 255 Background



This preview shows how black text looks on a background with the RGB color 56, 188, 255.

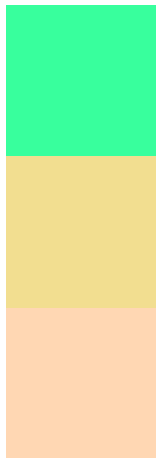


This preview shows how white text looks on a background with the RGB color 56, 188, 255.

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
56, 188, 255

Protanopia
169, 242, 144

Deuteranopia
255, 247, 179



Tritanopia
137, 192, 255

Trichromacy



Original Color

56, 188, 255



Protanomaly

149, 234, 209



Deuteranomaly

171, 230, 218



Tritanomaly

108, 184, 245

Monochromacy



Original Color

56, 188, 255



Achromatopsia

184, 184, 184



Achromatomaly

137, 185, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 56, 188, 255 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(56, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 157)  
}
```

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(56, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 157) }
```

Border

The CSS property to change the border of an element to RYB 56, 188, 255 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(56, 255, 157) }
```

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

```
.border{ border-color:rgb(56, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
157) }
```

Background

The CSS property to change the background color of an element to RYB 56, 188, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 157) }
```

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

```
.background{ background-color: rgb(56, 255,  
157) }
```

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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