

Converting Colors

`RYB(32, 156, 232)`

Have a look what the booklet for
RYB(32, 156, 232) contains.

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Color

R_YB(32, 156, 232)

Conversions

Conversions Part 1

Format	Color
Hex	20E89B
RGB	32, 232, 155
RGB Percent	13%, 91%, 61%
CMY	0.8745, 0.0902, 0.3938
CMYK	0.86, 0.00, 0.33, 0.09
HSL	157°, 81%, 52%
HSV	157°, 86%, 91%
XYZ	35.3335, 60.3728, 40.6169
YIQ	163.4220, -94.4830, -66.3470

Conversions

Conversions Part 2

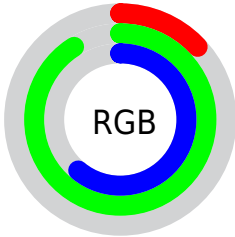
Format	Color
RYB	32, 156, 232
Decimal	2156699
CIELab	82.04, -63.07, 25.06
CIELCh	82, 67.868, 158.328
Yxy	60.3728, 0.2592, 0.4429
Android (android.graphics.Color)	4280346779 (0xFF20E89B)
YUV	163.4220, -4.1520, -115.2571
Hunter-Lab	77.6999, -54.8032, 23.3967

Details

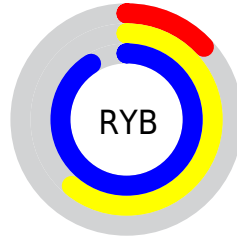
The RYB color **32, 156, 232** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **232, 32, 109**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **117, 199, 255**, and **0, 110, 175** is the 20% darker color. If you saturate the color by 10%, you get **9, 147, 232**, and if you desaturate by 10%, it is **55, 165, 232**.

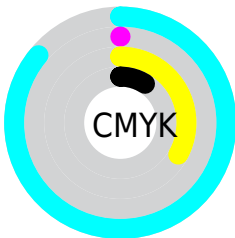
Distribution



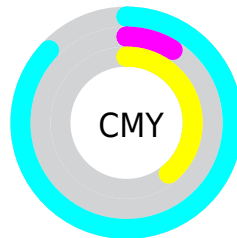
- Red (13%)
- Green (91%)
- Blue (61%)



- Red (13%)
- Yellow (61%)
- Blue (91%)



- Cyan (86%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)




















- Cyan (87%)
- Magenta (9%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 32, 156, 232 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 32, 156, 232 by changing the saturation by 10% instead.

 32, 156, 232	 32, 156, 232
 255, 255, 255	 0, 124, 203
 117, 200, 255	 0, 110, 175
 149, 207, 255	 0, 96, 147
 181, 218, 255	 0, 82, 120
 213, 234, 255	 0, 70, 94
 244, 250, 255	 0, 61, 69
	 0, 45, 45
	 0, 14, 14
	 0, 0, 0

■ 32, 156, 232

■ 32, 156, 232

■ 9, 147, 232

■ 55, 165, 232

■ 0, 144, 232

■ 78, 173, 232

■ 102, 182, 232

■ 125, 191, 232

■ 148, 200, 232

■ 171, 209, 232

■ 194, 218, 232

■ 218, 227, 232

■ 241, 232, 235

Harmonies

Analogous

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



99, 223, 168



32, 156, 232



0, 121, 235

Triad

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



32, 156, 232



115, 170, 255



255, 171, 128

Complementary

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



32, 156, 232



232, 32, 109

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, 147, 189



32, 156, 232



231, 180, 255

Square

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



32, 156, 232



0, 119, 255



255, 155, 252



204, 255, 83

Rectangle

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



32, 156, 232



0, 122, 255



255, 155, 252



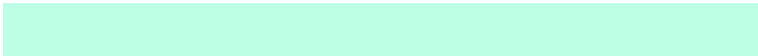
255, 153, 147

Sweetspot

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



32, 156, 232



189, 230, 255



32, 232, 152



88, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



32, 156, 232



0, 158, 255



32, 127, 232



103, 111, 115



0, 111, 179



0, 32, 51

Inverse Universe

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



232, 32, 109



255, 0, 99



232, 54, 32



115, 103, 108



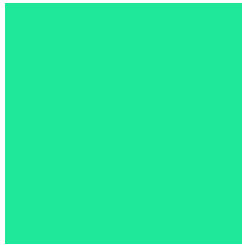
179, 0, 69



51, 0, 20

Previews

White Background



This preview shows how the RYB color 32, 156, 232 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 32, 156, 232 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 32, 156, 232 Background



This preview shows how black text looks on a background with the RGB color 32, 156, 232.

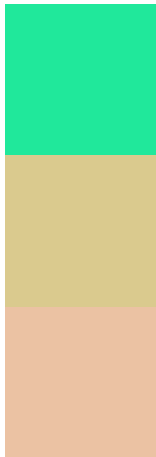


This preview shows how white text looks on a background with the RGB color 32, 156, 232.

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](#).

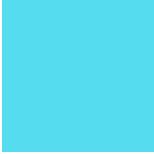
Dichromacy



Original Color
32, 156, 232

Protanopia
162, 218, 142

Deuteranopia
235, 217, 163



Tritanopia
85, 157, 239

Trichromacy



Original Color

32, 156, 232



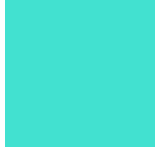
Protanomaly

147, 213, 210



Deuteranomaly

160, 208, 207



Tritanomaly

66, 150, 225

Monochromacy



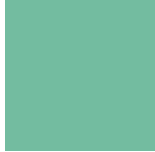
Original Color

32, 156, 232



Achromatopsia

163, 163, 163



Achromatomaly

115, 160, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 32, 156, 232 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(32, 232, 155)` looks like.

```
.text, #text, p{  
    color:rgb(32, 232, 155)  
}
```

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(32, 232, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 232, 155) }
```

Border

The CSS property to change the border of an element to RYB 32, 156, 232 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(32, 232, 155) }
```

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

```
.border{ border-color:rgb(32, 232, 155) }
```

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

Here you see how a box with a 4 pixel rgb(32, 232, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 232, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 232, 155);  
box-shadow:4px 4px 4px 4px rgb(32, 232,  
155) }
```

Background

The CSS property to change the background color of an element to RGB 32, 156, 232 is called "background".

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

```
.background, #background, body{  
background: rgb(32, 232, 155) }
```

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

```
.background{ background-color: rgb(32, 232,  
155) }
```

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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