

Converting Colors

`RYB(32, 228, 245)`

Have a look what the booklet for
RYB(32, 228, 245) contains.

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Color

RYB(32, 228, 245)

Conversions

Conversions Part 1

Format	Color
Hex	20F532
RGB	32, 245, 50
RGB Percent	13%, 96%, 20%
CMY	0.8745, 0.0392, 0.8021
CMYK	0.87, 0.00, 0.79, 0.04
HSL	125°, 91%, 54%
HSV	125°, 87%, 96%
XYZ	33.8341, 65.8463, 13.9979
YIQ	159.0830, -64.3530, -105.8010

Conversions

Conversions Part 2

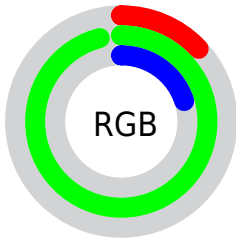
Format	Color
R _Y B	32, 228, 245
Decimal	2159922
CIE Lab	84.92, -80.63, 73.06
CIE LCh	85, 108.807, 137.823
Yxy	65.8463, 0.2976, 0.5792
Android (android.graphics.Color)	4280350002 (0xFF20F532)
YUV	159.0830, -53.7779, -111.4518
Hunter-Lab	81.1457, -67.5786, 46.5743

Details

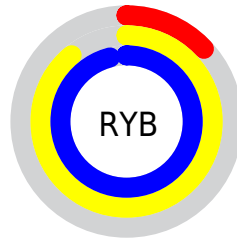
The RYB color **32, 228, 245** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **245, 32, 227**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **112, 255, 244**, and **0, 187, 187** is the 20% darker color. If you saturate the color by 10%, you get **8, 227, 245**, and if you desaturate by 10%, it is **57, 230, 245**.

Distribution



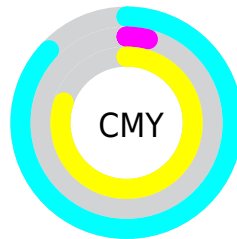
- Red (13%)
- Green (96%)
- Blue (20%)



- Red (13%)
- Yellow (89%)
- Blue (96%)



- Cyan (87%)
- Magenta (0%)
- Yellow (79%)
- Black (4%)















- Cyan (87%)
- Magenta (4%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 32, 228, 245 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, 228, 245 by changing the saturation by 10% instead.

 32, 228, 245	 32, 228, 245
255, 255, 255	 0, 216, 216
 112, 255, 244	 0, 187, 187
 141, 255, 239	 0, 159, 159
 170, 255, 235	 0, 131, 131
 199, 255, 232	 0, 104, 104
 229, 255, 230	 0, 78, 78
	 0, 53, 53
	 0, 26, 26
	 0, 0, 0

■ 32, 228, 245

■ 32, 228, 245

■ 8, 227, 245

■ 57, 230, 245

■ 0, 226, 245

■ 81, 232, 245

■ 106, 234, 245

■ 130, 236, 245

■ 155, 239, 245

■ 179, 240, 245

■ 203, 241, 245

■ 228, 244, 245

■ 252, 245, 252

Harmonies

Analogous

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



0, 226, 29



32, 228, 245



0, 154, 254

Triad

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



32, 228, 245



0, 123, 255



255, 89, 156

Complementary

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



32, 228, 245



245, 32, 227

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, 93, 255



32, 228, 245



73, 149, 255

Square

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



32, 228, 245



0, 127, 255



255, 151, 255



255, 212, 55

Rectangle

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



32, 228, 245



0, 132, 255



255, 151, 255



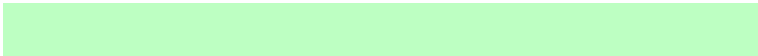
255, 80, 190

Sweetspot

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



32, 228, 245



189, 250, 255



32, 245, 50



88, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



32, 228, 245



0, 235, 255



32, 167, 245



110, 121, 122



0, 171, 186



0, 54, 59

Inverse Universe

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



245, 32, 227



255, 0, 233



245, 32, 121



122, 110, 121



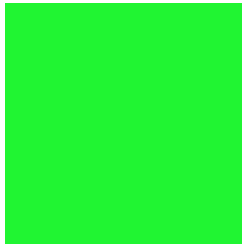
186, 0, 170



59, 0, 54

Previews

White Background



This preview shows how the RYB color 32, 228, 245 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, 228, 245 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 32, 228, 245 Background



This preview shows how black text looks on a background with the RYB color 32, 228, 245.

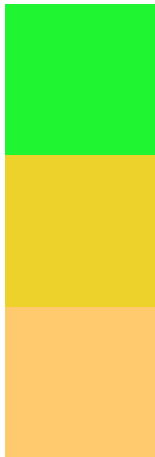


This preview shows how white text looks on a background with the RYB color 32, 228, 245.

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](#).

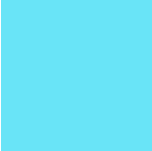
Dichromacy



Original Color
32, 228, 245

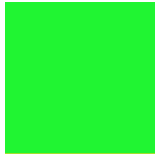
Protanopia
72, 236, 42

Deuteranopia
195, 255, 109



Tritanopia
105, 171, 247

Trichromacy



Original Color

32, 228, 245



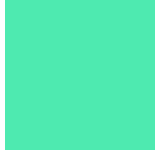
Protanomaly

45, 223, 106



Deuteranomaly

88, 217, 131



Tritanomaly

78, 174, 234

Monochromacy



Original Color

32, 228, 245



Achromatopsia

159, 159, 159



Achromatomaly

113, 184, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 32, 228, 245 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, 245, 50)` looks like.

```
.text, #text, p{  
    color:rgb(32, 245, 50)  
}
```

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, 245, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 245, 50) }
```

Border

The CSS property to change the border of an element to RYB 32, 228, 245 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, 245, 50) }
```

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

```
.border{ border-color:rgb(32, 245, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 245, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 245, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 245, 50);  
box-shadow:4px 4px 4px 4px rgb(32, 245,  
50) }
```

Background

The CSS property to change the background color of an element to RGB 32, 228, 245 is called "background".

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

```
.background, #background, body{  
background: rgb(32, 245, 50) }
```

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

```
.background{ background-color: rgb(32, 245,  
50) }
```

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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