

Converting Colors

`RYB(32, 139, 228)`

Have a look what the booklet for
RYB(32, 139, 228) contains.

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Color

`RYB(32, 139, 228)`

Conversions

Conversions Part 1

Format	Color
Hex	20E4C3
RGB	32, 228, 195
RGB Percent	13%, 89%, 76%
CMY	0.8745, 0.1059, 0.2352
CMYK	0.86, 0.00, 0.14, 0.11
HSL	170°, 78%, 51%
HSV	170°, 86%, 89%
XYZ	38.1926, 59.7353, 61.1635
YIQ	165.6340, -106.2230, -51.8150

Conversions

Conversions Part 2

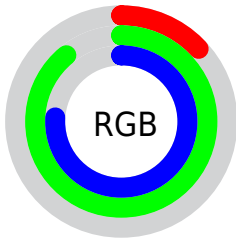
Format	Color
R _Y B	32, 139, 228
Decimal	2155715
CIE Lab	81.69, -52.13, 3.42
CIE LCh	82, 52.243, 176.250
Yxy	59.7353, 0.2401, 0.3755
Android (android.graphics.Color)	4280345795 (0xFF20E4C3)
YUV	165.6340, 14.4774, -117.1970
Hunter-Lab	77.2886, -47.0484, 7.1820

Details

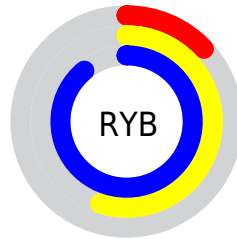
The RYB color **32, 139, 228** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **228, 32, 65**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **117, 187, 255**, and **0, 94, 171** is the 20% darker color. If you saturate the color by 10%, you get **9, 129, 228**, and if you desaturate by 10%, it is **55, 149, 228**.

Distribution



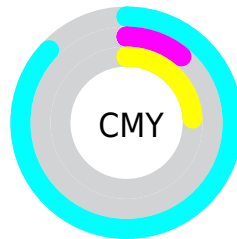
- Red (13%)
- Green (89%)
- Blue (76%)



- Red (13%)
- Yellow (55%)
- Blue (89%)



- Cyan (86%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)




















- Cyan (87%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 32, 139, 228 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, 139, 228 by changing the saturation by 10% instead.

 32, 139, 228	 32, 139, 228
 255, 255, 255	 0, 108, 199
 117, 187, 255	 0, 94, 171
 150, 203, 255	 0, 80, 144
 182, 219, 255	 0, 67, 118
 214, 235, 255	 0, 53, 92
 245, 250, 255	 0, 40, 67
	 0, 29, 45
	 0, 12, 12
	 0, 0, 0

■ 32, 139, 228

■ 32, 139, 228

■ 9, 129, 228

■ 55, 149, 228

■ 0, 124, 228

■ 78, 160, 228

■ 100, 170, 228

■ 123, 180, 228

■ 146, 191, 228

■ 169, 201, 228

■ 192, 212, 228

■ 214, 222, 228

■ 237, 228, 230

Harmonies

Analogous

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



130, 209, 223



32, 139, 228



0, 118, 245

Triad

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



32, 139, 228



198, 193, 255



255, 226, 123

Complementary

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



32, 139, 228



228, 32, 65

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, 166, 162



32, 139, 228



255, 174, 255

Square

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



32, 139, 228



108, 168, 255



255, 163, 211



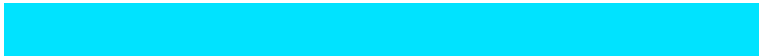
162, 239, 103

Rectangle

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



32, 139, 228



0, 120, 255



255, 163, 211



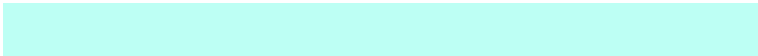
255, 196, 134

Sweetspot

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



32, 139, 228



189, 225, 255



32, 228, 192



88, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



32, 139, 228



0, 139, 255



32, 112, 228



103, 110, 115



0, 98, 179



0, 28, 51

Inverse Universe

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



228, 32, 65



255, 0, 43



228, 123, 32



115, 103, 105



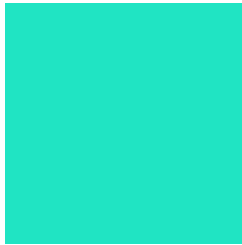
179, 0, 30



51, 0, 9

Previews

White Background



This preview shows how the RYB color 32, 139, 228 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, 139, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

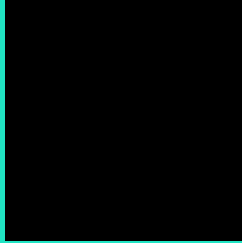
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

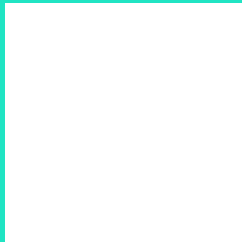
Any Text WCAG AAA ✓ Pass

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

RYB 32, 139, 228 Background



This preview shows how black text looks on a background with the RYB color 32, 139, 228.

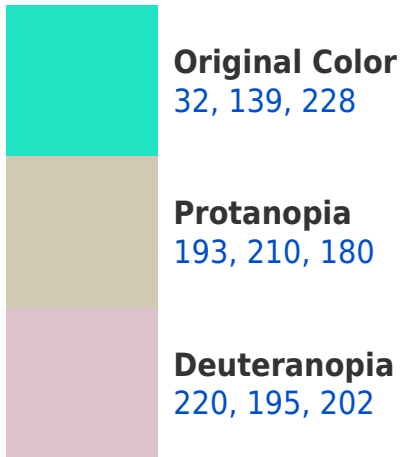


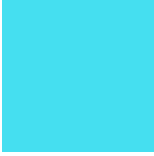
This preview shows how white text looks on a background with the RYB color 32, 139, 228.

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





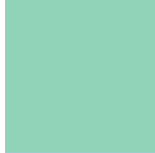
Tritanopia
69, 150, 240

Trichromacy



Original Color

32, 139, 228



Protanomaly

145, 186, 211



Deuteranomaly

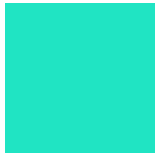
152, 182, 207



Tritanomaly

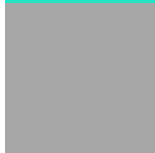
56, 140, 224

Monochromacy



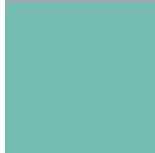
Original Color

32, 139, 228



Achromatopsia

166, 166, 166



Achromatomaly

117, 156, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 32, 139, 228 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, 228, 195)` looks like.

```
.text, #text, p{  
    color:rgb(32, 228, 195)  
}
```

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, 228, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 228, 195) }
```

Border

The CSS property to change the border of an element to RYB 32, 139, 228 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, 228, 195) }
```

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

```
.border{ border-color:rgb(32, 228, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 228, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 228, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 228, 195);  
box-shadow:4px 4px 4px 4px rgb(32, 228,  
195) }
```

Background

The CSS property to change the background color of an element to RGB 32, 139, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 228, 195) }
```

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

```
.background{ background-color: rgb(32, 228,  
195) }
```

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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