

Converting Colors

`RYB(22, 145, 243)`

Have a look what the booklet for
RYB(22, 145, 243) contains.

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Color

$\text{RYB}(22, 145, 243)$

Conversions

Conversions Part 1

Format	Color
Hex	16F3C6
RGB	22, 243, 198
RGB Percent	9%, 95%, 78%
CMY	0.9137, 0.0471, 0.2232
CMYK	0.91, 0.00, 0.18, 0.05
HSL	168°, 90%, 52%
HSV	168°, 91%, 95%
XYZ	42.5839, 68.3527, 64.4243
YIQ	171.7910, -117.2710, -60.8470

Conversions

Conversions Part 2

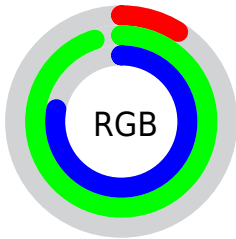
Format	Color
R_{YB}	22, 145, 243
Decimal	1504198
CIE _{Lab}	86.18, -57.85, 8.27
CIE _{LCh}	86, 58.436, 171.861
Yxy	68.3527, 0.2428, 0.3898
Android (android.graphics.Color)	4279694278 (0xFF16F3C6)
YUV	171.7910, 12.9210, -131.3667
Hunter-Lab	82.6757, -52.7422, 11.6718

Details

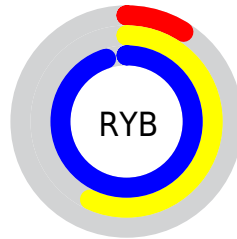
The RYB color **22, 145, 243** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **243, 22, 67**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **118, 187, 255**, and **0, 105, 186** is the 20% darker color. If you saturate the color by 10%, you get **0, 135, 243**, and if you desaturate by 10%, it is **46, 156, 243**.

Distribution



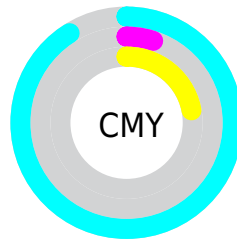
- Red (9%)
- Green (95%)
- Blue (78%)



- Red (9%)
- Yellow (57%)
- Blue (95%)



- Cyan (91%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)




















- Cyan (91%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 22, 145, 243 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 22, 145, 243 by changing the saturation by 10% instead.

 22, 145, 243	 22, 145, 243
 255, 255, 255	 0, 119, 214
 118, 187, 255	 0, 105, 186
 152, 204, 255	 0, 90, 158
 184, 220, 255	 0, 76, 131
 216, 236, 255	 0, 62, 104
 248, 252, 255	 0, 49, 79
	 0, 37, 55
	 0, 29, 30
	 0, 0, 0

■ 22, 145, 243

■ 22, 145, 243

■ 0, 135, 243

■ 46, 156, 243

■ 71, 167, 243

■ 95, 177, 243

■ 119, 188, 243

■ 143, 199, 243

■ 168, 210, 243

■ 192, 220, 243

■ 216, 231, 243

■ 241, 242, 243

Harmonies

Analogous

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



143, 235, 237



22, 145, 243



0, 125, 255

Triad

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



22, 145, 243



196, 205, 255



255, 235, 130

Complementary

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



22, 145, 243



243, 22, 67

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, 172, 177



22, 145, 243



255, 186, 255

Square

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



22, 145, 243



74, 157, 255



255, 171, 233



174, 255, 104

Rectangle

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



22, 145, 243



0, 124, 255



255, 171, 233



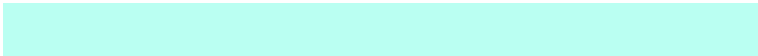
255, 200, 144

Sweetspot

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



22, 145, 243



186, 224, 255



22, 243, 195



87, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



22, 145, 243



0, 142, 255



22, 114, 243



110, 117, 122



0, 104, 186



0, 33, 59

Inverse Universe

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



243, 22, 67



255, 0, 52



243, 110, 22



122, 110, 113



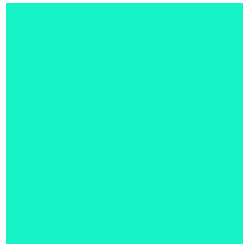
186, 0, 38



59, 0, 12

Previews

White Background



This preview shows how the RYB color 22, 145, 243 looks on a white background.

Color Contrast Check

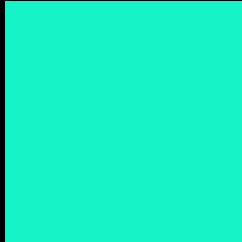
Large Text (above 18pt) WCAG AA × Fail

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 22, 145, 243 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

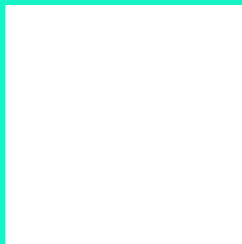
Any Text WCAG AAA ✓ Pass

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

RGB 22, 145, 243 Background



This preview shows how black text looks on a background with the RGB color 22, 145, 243.

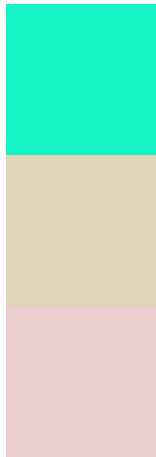


This preview shows how white text looks on a background with the RGB color 22, 145, 243.

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](#).

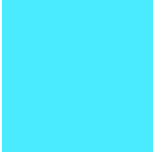
Dichromacy



Original Color
22, 145, 243

Protanopia
198, 224, 183

Deuteranopia
237, 206, 206



Tritanopia
74, 159, 254

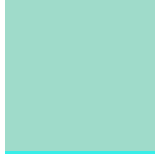
Trichromacy



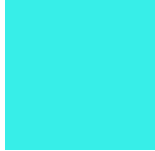
Original Color
22, 145, 243



Protanomaly
151, 199, 224



Deuteranomaly
159, 194, 219

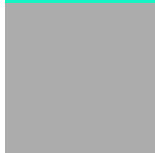


Tritanomaly
55, 148, 238

Monochromacy



Original Color
22, 145, 243



Achromatopsia
172, 172, 172



Achromatomaly
117, 162, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 22, 145, 243 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(22, 243, 198)` looks like.

```
.text, #text, p{  
    color:rgb(22, 243, 198)  
}
```

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(22, 243, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 243, 198) }
```

Border

The CSS property to change the border of an element to RYB 22, 145, 243 is called "border". The border property can be set on classes, ids or directly on the HTML element.

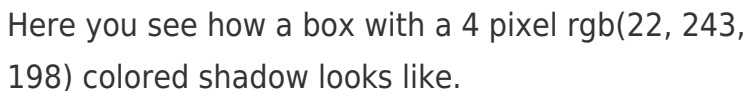
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(22, 243, 198) }
```

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

```
.border{ border-color:rgb(22, 243, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(22, 243, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 243, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 243, 198);  
box-shadow:4px 4px 4px 4px rgb(22, 243,  
198) }
```

Background

The CSS property to change the background color of an element to RGB 22, 145, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 243, 198) }
```

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

```
.background{ background-color: rgb(22, 243,  
198) }
```

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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