

Converting Colors

`RYB(42, 153, 246)`

Have a look what the booklet for
RYB(42, 153, 246) contains.

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Color

RYB(42, 153, 246)

Conversions

Conversions Part 1

Format	Color
Hex	2AF6D5
RGB	42, 246, 213
RGB Percent	16%, 96%, 84%
CMY	0.8353, 0.0353, 0.1650
CMYK	0.83, 0.00, 0.13, 0.04
HSL	170°, 92%, 56%
HSV	170°, 83%, 96%
XYZ	45.9106, 71.2038, 74.2208
YIQ	181.2420, -110.9910, -53.5110

Conversions

Conversions Part 2

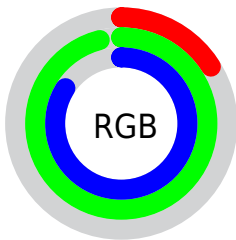
Format	Color
R _Y B	42, 153, 246
Decimal	2815701
CIE Lab	87.58, -54.17, 2.58
CIE LCh	88, 54.235, 177.276
Yxy	71.2038, 0.2399, 0.3721
Android (android.graphics.Color)	4281005781 (0xFF2AF6D5)
YUV	181.2420, 15.6567, -122.1152
Hunter-Lab	84.3823, -50.5511, 6.9175

Details

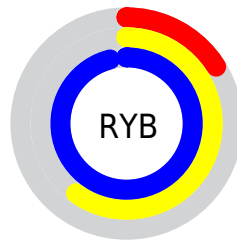
The RYB color **42, 153, 246** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **246, 42, 75**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **126, 191, 255**, and **0, 103, 189** is the 20% darker color. If you saturate the color by 10%, you get **17, 142, 246**, and if you desaturate by 10%, it is **67, 164, 246**.

Distribution



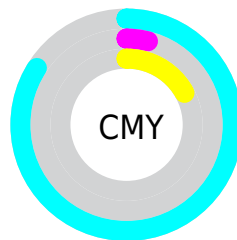
- Red (16%)
- Green (96%)
- Blue (84%)



- Red (16%)
- Yellow (60%)
- Blue (96%)



- Cyan (83%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)



















- Cyan (84%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 42, 153, 246 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 42, 153, 246 by changing the saturation by 10% instead.

 42, 153, 246	 42, 153, 246
 255, 255, 255	 0, 117, 217
 126, 191, 255	 0, 103, 189
 159, 207, 255	 0, 88, 161
 192, 224, 255	 0, 75, 134
 224, 240, 255	 0, 60, 107
	 0, 47, 82
	 0, 34, 57
	 0, 22, 34
	 0, 0, 0

■ 42, 153, 246

■ 42, 153, 246

■ 17, 142, 246

■ 67, 164, 246

■ 0, 134, 246

■ 91, 175, 246

■ 116, 187, 246

■ 140, 198, 246

■ 165, 209, 246

■ 190, 220, 246

■ 214, 231, 246

■ 239, 243, 246

■ 255, 246, 249

Harmonies

Analogous

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



141, 224, 241



42, 153, 246



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.



42, 153, 246



217, 208, 255



245, 255, 134

Complementary

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



42, 153, 246



246, 42, 75

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, 181, 175



42, 153, 246



255, 189, 255

Square

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



42, 153, 246



125, 182, 255



255, 178, 226



171, 255, 115

Rectangle

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



42, 153, 246



0, 124, 255



255, 178, 226



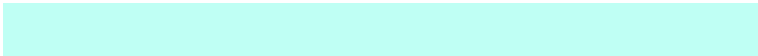
255, 223, 146

Sweetspot

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



42, 153, 246



191, 226, 255



42, 246, 212



89, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



42, 153, 246



0, 139, 255



42, 124, 246



110, 117, 122



0, 101, 186



0, 32, 59

Inverse Universe

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



246, 42, 75



255, 0, 41



246, 144, 42



122, 110, 112



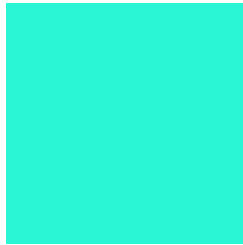
186, 0, 30



59, 0, 10

Previews

White Background



This preview shows how the RYB color 42, 153, 246 looks on a white background.

Color Contrast Check

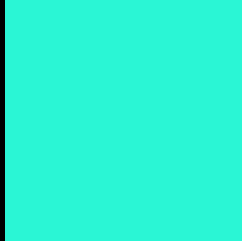
Large Text (above 18pt) WCAG AA × Fail

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 42, 153, 246 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

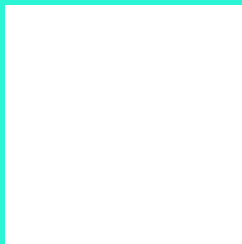
Any Text WCAG AAA ✓ Pass

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

RGB 42, 153, 246 Background



This preview shows how black text looks on a background with the RGB color 42, 153, 246.

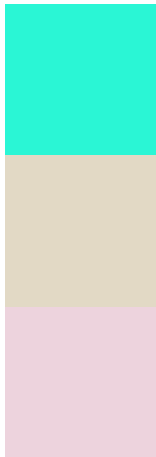


This preview shows how white text looks on a background with the RGB color 42, 153, 246.

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](#).

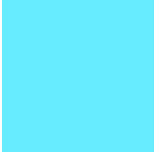
Dichromacy



Original Color
42, 153, 246

Protanopia
210, 226, 197

Deuteranopia
237, 211, 221



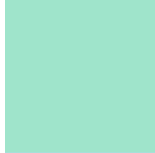
Tritanopia
103, 174, 255

Trichromacy



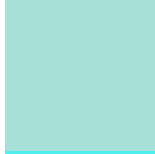
Original Color

42, 153, 246



Protanomaly

159, 201, 228



Deuteranomaly

166, 197, 224



Tritanomaly

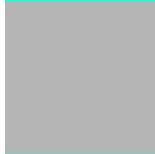
81, 161, 240

Monochromacy



Original Color

42, 153, 246



Achromatopsia

181, 181, 181



Achromatomaly

130, 171, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 42, 153, 246 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(42, 246, 213)` looks like.

```
.text, #text, p{  
    color:rgb(42, 246, 213)  
}
```

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(42, 246, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 246, 213) }
```

Border

The CSS property to change the border of an element to RYB 42, 153, 246 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(42, 246, 213) }
```

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

```
.border{ border-color:rgb(42, 246, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 246, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 246, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 246, 213);  
box-shadow:4px 4px 4px 4px rgb(42, 246,  
213) }
```

Background

The CSS property to change the background color of an element to RYB 42, 153, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 246, 213) }
```

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

```
.background{ background-color: rgb(42, 246,  
213) }
```

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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