

Converting Colors

`RYB(76, 164, 250)`

Have a look what the booklet for RYB(76, 164, 250) contains.

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Color

`RYB(76, 164, 250)`

Conversions

Conversions Part 1

Format	Color
Hex	4CFAF6
RGB	76, 250, 246
RGB Percent	30%, 98%, 96%
CMY	0.7020, 0.0196, 0.0351
CMYK	0.70, 0.00, 0.02, 0.02
HSL	179°, 95%, 64%
HSV	179°, 70%, 98%
XYZ	53.8076, 76.5643, 99.1678
YIQ	197.5180, -102.4200, -38.1320

Conversions

Conversions Part 2

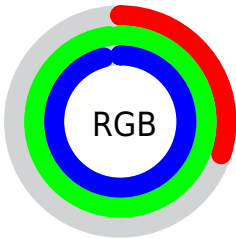
Format	Color
RYB	76, 164, 250
Decimal	5044982
CIELab	90.12, -43.79, -10.90
CIELCh	90, 45.129, 193.975
Yxy	76.5643, 0.2344, 0.3336
Android (android.graphics.Color)	4283235062 (0xFF4CFAF6)
YUV	197.5180, 23.9016, -106.5713
Hunter-Lab	87.5010, -43.3606, -5.9446

Details

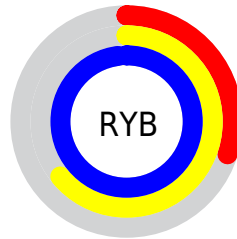
The RYB color **76, 164, 250** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **250, 76, 80**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **147, 201, 255**, and **0, 97, 193** is the 20% darker color. If you saturate the color by 10%, you get **51, 152, 250**, and if you desaturate by 10%, it is **101, 176, 250**.

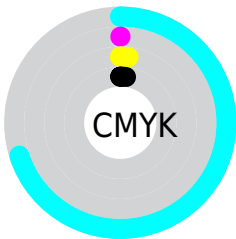
Distribution



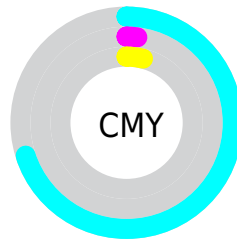
- Red (30%)
- Green (98%)
- Blue (96%)



- Red (30%)
- Yellow (64%)
- Blue (98%)



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)




- Cyan (70%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 164, 250 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 76, 164, 250 by changing the saturation by 10% instead.

 76, 164, 250


255, 255, 255


 147, 201, 255

 180, 218, 255

 211, 233, 255

 243, 249, 255

 76, 164, 250

 15, 119, 221

 0, 97, 193

 0, 83, 165

 0, 69, 138


 0, 56, 112


 0, 44, 87


 0, 31, 64


 0, 21, 42


 0, 2, 22


 76, 164, 250

 76, 164, 250

 51, 152, 250

 101, 176, 250

 26, 139, 250

 126, 189, 250

 1, 127, 250

 151, 201, 250

 0, 127, 250

 176, 214, 250

 201, 226, 250

 226, 238, 250

 251, 250, 250

 255, 250, 251

Harmonies

Analogous

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



133, 205, 248



76, 164, 250



61, 156, 255

Triad

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



76, 164, 250



255, 208, 255



204, 255, 144

Complementary

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



76, 164, 250



250, 76, 80

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, 223, 169



76, 164, 250



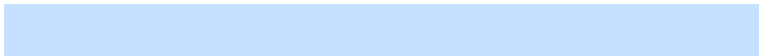
255, 196, 252

Square

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



76, 164, 250



198, 216, 255



255, 194, 208



146, 235, 142

Rectangle

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



76, 164, 250



101, 174, 255



255, 194, 208



226, 255, 150

Sweetspot

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



76, 164, 250



201, 228, 255



76, 250, 244



96, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



76, 164, 250



41, 149, 255



76, 137, 250



112, 119, 125



0, 96, 189



0, 31, 61

Inverse Universe

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



250, 76, 80



255, 41, 46



250, 228, 76



125, 112, 113



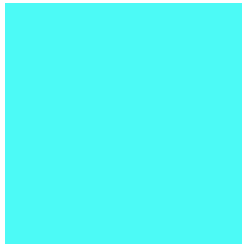
189, 0, 4



61, 0, 1

Previews

White Background



This preview shows how the RYB color 76, 164, 250 looks on a white background.

Color Contrast Check

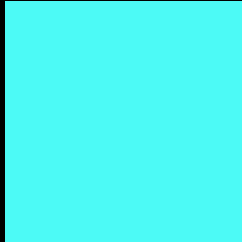
Large Text (above 18pt) WCAG AA × Fail

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 76, 164, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

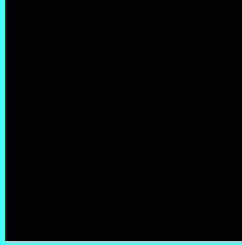
Any Text WCAG AA ✓ Pass

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 76, 164, 250 Background



This preview shows how black text looks on a background with the RYB color 76, 164, 250.

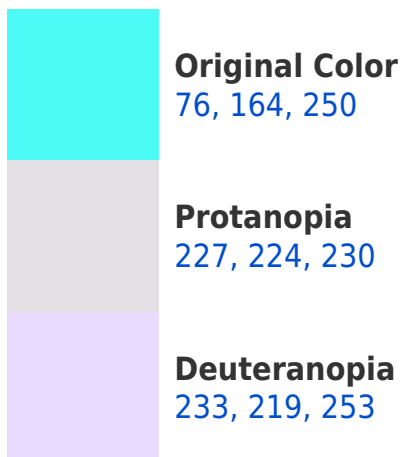


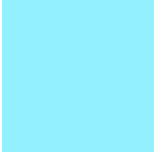
This preview shows how white text looks on a background with the RYB color 76, 164, 250.

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
147, 197, 255

Trichromacy



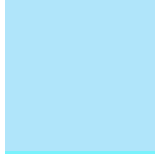
Original Color

76, 164, 250



Protanomaly

172, 203, 236



Deuteranomaly

176, 207, 250



Tritanomaly

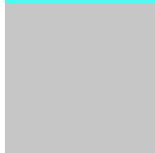
121, 184, 252

Monochromacy



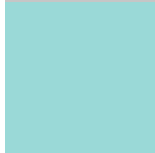
Original Color

76, 164, 250



Achromatopsia

198, 198, 198



Achromatomaly

154, 186, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 164, 250 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(76, 250, 246)` looks like.

```
.text, #text, p{  
    color:rgb(76, 250, 246)  
}
```

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(76, 250, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 250, 246) }
```

Border

The CSS property to change the border of an element to RYB 76, 164, 250 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(76, 250, 246) }
```

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

```
.border{ border-color:rgb(76, 250, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 250, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 250, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 250, 246);  
box-shadow:4px 4px 4px 4px rgb(76, 250,  
246) }
```

Background

The CSS property to change the background color of an element to RGB 76, 164, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 250, 246) }
```

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

```
.background{ background-color: rgb(76, 250,  
246) }
```

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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