

# Converting Colors

`RYB(33, 126, 248)`

Have a look what the booklet for  
RYB(33, 126, 248) contains.

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# Color

**`RYB(33, 126, 248)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	21C5F8
RGB	33, 197, 248
RGB Percent	13%, 77%, 97%
CMY	0.8706, 0.2279, 0.0275
CMYK	0.87, 0.21, 0.00, 0.03
HSL	194°, 94%, 55%
HSV	194°, 87%, 97%
XYZ	37.5125, 46.9848, 95.8988
YIQ	153.7780, -114.1150, -18.9070

# Conversions

## Conversions Part 2

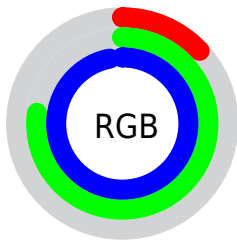
Format	Color
R <sub>YB</sub>	33, 126, 248
Decimal	2213368
CIE Lab	74.18, -21.95, -36.23
CIE LCh	74, 42.357, 238.793
Yxy	46.9848, 0.2079, 0.2605
Android (android.graphics.Color)	4280403448 (0xFF21C5F8)
YUV	153.7780, 46.4514, -105.9223
Hunter-Lab	68.5454, -22.2677, -34.9681

# Details

The RYB color **33, 126, 248** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **248, 100, 33**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **120, 187, 255**, and **0, 82, 191** is the 20% darker color. If you saturate the color by 10%, you get **8, 112, 248**, and if you desaturate by 10%, it is **58, 140, 248**.

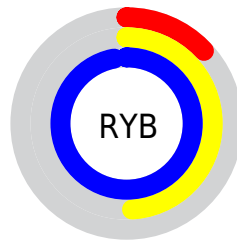
# Distribution



Red (13%)

Green (77%)

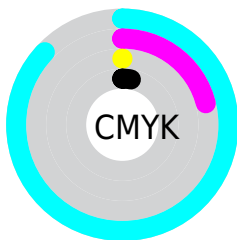
Blue (97%)



Red (13%)

Yellow (49%)

Blue (97%)

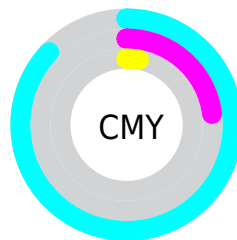


Cyan (87%)

Magenta (21%)

Yellow (0%)

Black (3%)



Cyan (87%)

Magenta (23%)


















Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 33, 126, 248 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 33, 126, 248 by changing the saturation by 10% instead.



 33, 126, 248	 33, 126, 248
 255, 255, 255	 0, 96, 219
 120, 187, 255	 0, 82, 191
 153, 204, 255	 0, 68, 164
 185, 220, 255	 0, 55, 138
 217, 236, 255	 0, 43, 112
 249, 252, 255	 0, 30, 87
	 0, 19, 64
	 0, 3, 41
	 0, 1, 19

■ 33, 126, 248

■ 33, 126, 248

■ 8, 112, 248

■ 58, 140, 248

■ 0, 107, 248

■ 83, 154, 248

■ 107, 168, 248

■ 132, 182, 248

■ 157, 196, 248

■ 182, 210, 248

■ 207, 225, 248

■ 231, 238, 248

■ 255, 251, 248

# Harmonies

## Analogous

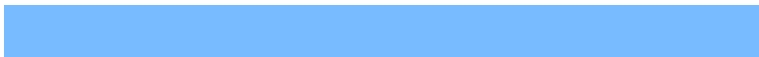
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 105, 219



33, 126, 248



121, 165, 255

# Triad

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



33, 126, 248



254, 152, 186



113, 191, 135

# Complementary

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



33, 126, 248



248, 100, 33

# 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.



144, 209, 104



33, 126, 248



255, 156, 147

# Square

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



33, 126, 248



230, 159, 223



240, 198, 117



122, 184, 199

# Rectangle

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



33, 126, 248



165, 176, 255



240, 198, 117



107, 188, 112

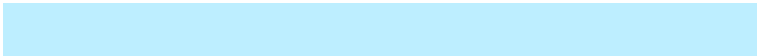


# Sweetspot

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



33, 126, 248



189, 217, 255



33, 207, 248



88, 105, 128



0, 0, 0



128, 128, 128

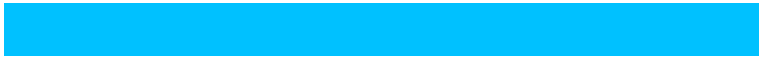


# Same Dimension

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



33, 126, 248



0, 110, 255



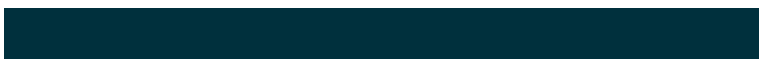
33, 78, 248



112, 118, 125



0, 82, 189



0, 27, 61



# Inverse Universe

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



248, 33, 197



255, 0, 194



111, 248, 33



125, 112, 122



189, 0, 144

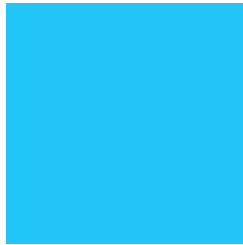


61, 0, 47



# Previews

## White Background



This preview shows how the RYB color 33, 126, 248 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 33, 126, 248 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

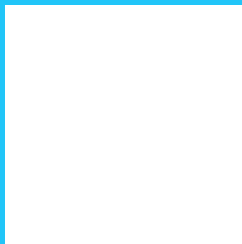
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 33, 126, 248 Background



This preview shows how black text looks on a background with the RGB color 33, 126, 248.

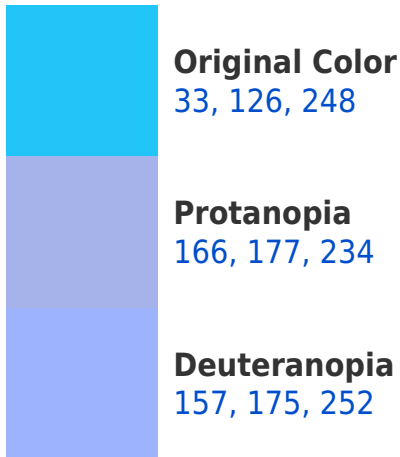


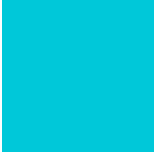
This preview shows how white text looks on a background with the RGB color 33, 126, 248.

# 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**  
0, 104, 217

# Trichromacy



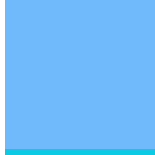
**Original Color**

33, 126, 248



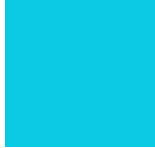
**Protanomaly**

118, 162, 239



**Deuteranomaly**

112, 160, 251



**Tritanomaly**

12, 113, 228

# Monochromacy



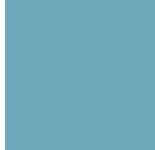
**Original Color**

33, 126, 248



**Achromatopsia**

154, 154, 154



**Achromatomaly**

110, 144, 188

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 33, 126, 248 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(33, 197, 248)` looks like.

```
.text, #text, p{  
    color:rgb(33, 197, 248)  
}
```

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(33, 197, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 197, 248) }
```

## Border

The CSS property to change the border of an element to RYB 33, 126, 248 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(33, 197, 248) }
```

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

```
.border{ border-color:rgb(33, 197, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 197, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 197, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 197, 248);  
box-shadow:4px 4px 4px 4px rgb(33, 197,  
248) }
```

# Background

The CSS property to change the background color of an element to RGB 33, 126, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 197, 248) }
```

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

```
.background{ background-color: rgb(33, 197,  
248) }
```

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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