

Converting Colors

`RYB(33, 129, 240)`

Have a look what the booklet for
RYB(33, 129, 240) contains.

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Color

`RYB(33, 129, 240)`

Conversions

Conversions Part 1

Format	Color
Hex	21D4F0
RGB	33, 212, 240
RGB Percent	13%, 83%, 94%
CMY	0.8706, 0.1685, 0.0588
CMYK	0.86, 0.12, 0.00, 0.06
HSL	188°, 87%, 54%
HSV	188°, 86%, 94%
XYZ	39.9056, 53.7151, 90.7029
YIQ	161.6710, -115.6720, -29.2400

Conversions

Conversions Part 2

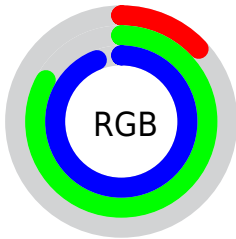
Format	Color
R _Y B	33, 129, 240
Decimal	2217200
CIE Lab	78.30, -32.05, -25.61
CIE LCh	78, 41.020, 218.627
Yxy	53.7151, 0.2165, 0.2914
Android (android.graphics.Color)	4280407280 (0xFF21D4F0)
YUV	161.6710, 38.6162, -112.8445
Hunter-Lab	73.2906, -31.0679, -22.0727

Details

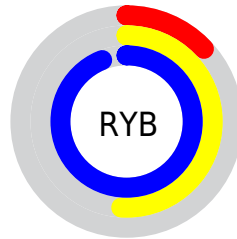
The RYB color **33, 129, 240** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **240, 65, 33**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **120, 188, 255**, and **0, 85, 184** is the 20% darker color. If you saturate the color by 10%, you get **9, 116, 240**, and if you desaturate by 10%, it is **57, 142, 240**.

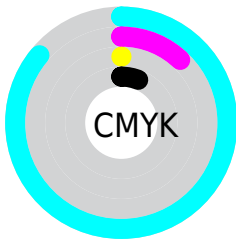
Distribution



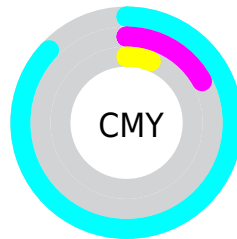
- Red (13%)
- Green (83%)
- Blue (94%)



- Red (13%)
- Yellow (51%)
- Blue (94%)



- Cyan (86%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)




















- Cyan (87%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 33, 129, 240 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, 129, 240 by changing the saturation by 10% instead.

 33, 129, 240	 33, 129, 240
 255, 255, 255	 0, 99, 212
 120, 188, 255	 0, 85, 184
 154, 205, 255	 0, 71, 157
 186, 221, 255	 0, 58, 131
 218, 237, 255	 0, 46, 106
 249, 252, 255	 0, 33, 81
	 0, 23, 58
	 0, 2, 37
	 0, 1, 13

■ 33, 129, 240

■ 33, 129, 240

■ 9, 116, 240

■ 57, 142, 240

■ 0, 111, 240

■ 81, 155, 240

■ 105, 168, 240

■ 129, 180, 240

■ 153, 193, 240

■ 177, 206, 240

■ 201, 219, 240

■ 225, 232, 240

■ 249, 241, 240

Harmonies

Analogous

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



66, 143, 214



33, 129, 240



91, 158, 255

Triad

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



33, 129, 240



251, 168, 222



132, 208, 117

Complementary

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



33, 129, 240



240, 65, 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.



242, 240, 123



33, 129, 240



255, 164, 184

Square

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



33, 129, 240



212, 180, 253



255, 176, 148



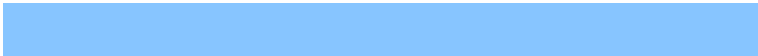
133, 205, 171

Rectangle

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



33, 129, 240



135, 176, 255



255, 176, 148



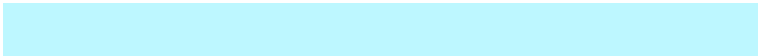
157, 220, 117

Sweetspot

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



33, 129, 240



189, 220, 255



33, 215, 240



88, 106, 128



0, 0, 0



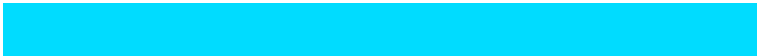
128, 128, 128

Same Dimension

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



33, 129, 240



0, 118, 255



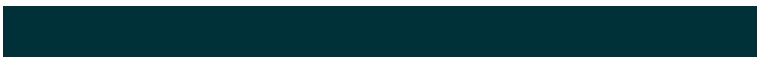
33, 89, 240



108, 113, 120



0, 85, 184



0, 26, 56

Inverse Universe

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



240, 33, 212



255, 0, 221



153, 240, 33



120, 108, 118



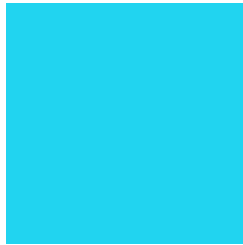
184, 0, 159



56, 0, 49

Previews

White Background



This preview shows how the RYB color 33, 129, 240 looks on a white background.

Color Contrast Check

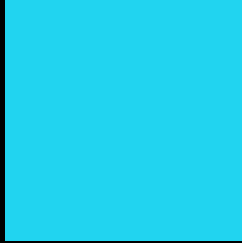
Large Text (above 18pt) WCAG AA × Fail

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, 129, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

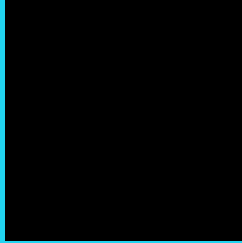
Any Text WCAG AA ✓ Pass

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 33, 129, 240 Background



This preview shows how black text looks on a background with the RYB color 33, 129, 240.

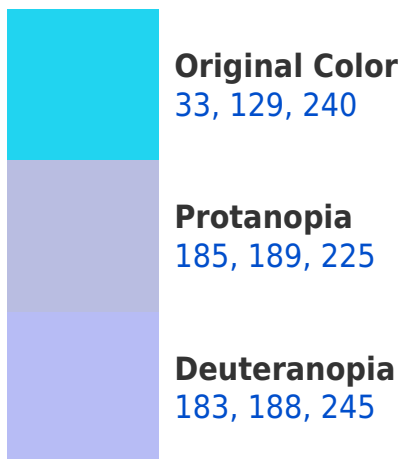


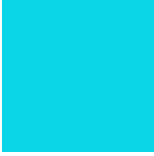
This preview shows how white text looks on a background with the RYB color 33, 129, 240.

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
10, 116, 231

Trichromacy



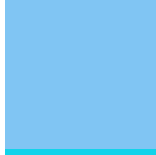
Original Color

33, 129, 240



Protanomaly

130, 170, 230



Deuteranomaly

128, 171, 243



Tritanomaly

18, 120, 234

Monochromacy



Original Color

33, 129, 240



Achromatopsia

162, 162, 162



Achromatomaly

115, 150, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 33, 129, 240 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, 212, 240)` looks like.

```
.text, #text, p{  
    color:rgb(33, 212, 240)  
}
```

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, 212, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 212, 240) }
```

Border

The CSS property to change the border of an element to RYB 33, 129, 240 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, 212, 240) }
```

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

```
.border{ border-color:rgb(33, 212, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 212, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 212, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 212, 240);  
box-shadow:4px 4px 4px 4px rgb(33, 212,  
240) }
```

Background

The CSS property to change the background color of an element to RGB 33, 129, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 212, 240) }
```

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

```
.background{ background-color: rgb(33, 212,  
240) }
```

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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