

Converting Colors

`RYB(20, 133, 248)`

Have a look what the booklet for
RYB(20, 133, 248) contains.

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Color

R_YB(20, 133, 248)

Conversions

Conversions Part 1

Format	Color
Hex	14F4F8
RGB	20, 244, 248
RGB Percent	8%, 96%, 97%
CMY	0.9216, 0.0430, 0.0275
CMYK	0.92, 0.02, 0.00, 0.03
HSL	181°, 94%, 53%
HSV	181°, 92%, 97%
XYZ	49.5929, 71.6483, 100.0226
YIQ	177.4800, -134.7880, -46.2440

Conversions

Conversions Part 2

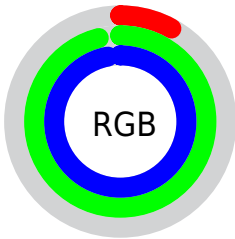
Format	Color
R _Y B	20, 133, 248
Decimal	1373432
CIE Lab	87.80, -44.88, -15.46
CIE LCh	88, 47.468, 199.004
Yxy	71.6483, 0.2241, 0.3238
Android (android.graphics.Color)	4279563512 (0xFF14F4F8)
YUV	177.4800, 34.7664, -138.1100
Hunter-Lab	84.6453, -43.5479, -10.8093

Details

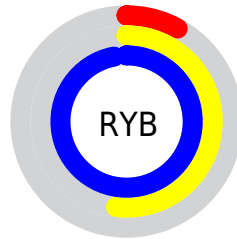
The RYB color **20, 133, 248** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **248, 24, 20**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **122, 189, 255**, and **0, 95, 192** is the 20% darker color. If you saturate the color by 10%, you get **0, 123, 248**, and if you desaturate by 10%, it is **45, 145, 248**.

Distribution



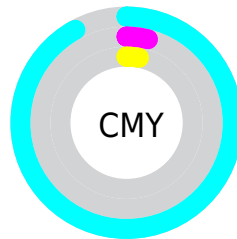
- Red (8%)
- Green (96%)
- Blue (97%)



- Red (8%)
- Yellow (52%)
- Blue (97%)



- Cyan (92%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)





- Cyan (92%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 20, 133, 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 20, 133, 248 by changing the saturation by 10% instead.

 20, 133, 248

 20, 133, 248

255, 255, 255

 0, 108, 219

 122, 189, 255

 0, 95, 192

 157, 206, 255

 0, 81, 165

 190, 223, 255


 0, 68, 138

 223, 239, 255

 0, 55, 113

 0, 42, 88

 0, 30, 65

 0, 19, 43

 0, 1, 23

■ 20, 133, 248

■ 20, 133, 248

■ 0, 123, 248

■ 45, 145, 248

■ 70, 158, 248

■ 94, 170, 248

■ 119, 183, 248

■ 144, 195, 248

■ 169, 208, 248

■ 194, 221, 248

■ 218, 233, 248

■ 243, 246, 248

Harmonies

Analogous

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



109, 188, 243



20, 133, 248



12, 130, 255

Triad

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



20, 133, 248



255, 198, 255



197, 255, 131

Complementary

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



20, 133, 248



248, 24, 20

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, 226, 154



20, 133, 248



255, 186, 239

Square

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



20, 133, 248



201, 212, 255



255, 186, 193



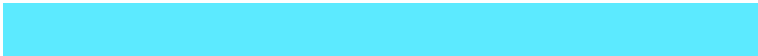
133, 226, 138

Rectangle

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



20, 133, 248



92, 168, 255



255, 186, 193



219, 255, 136

Sweetspot

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



20, 133, 248



184, 219, 255



20, 244, 248



84, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



20, 133, 248



0, 126, 255



20, 94, 248



112, 119, 125



0, 93, 189



0, 30, 61

Inverse Universe

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



248, 20, 244



255, 0, 251



233, 248, 20



125, 112, 125



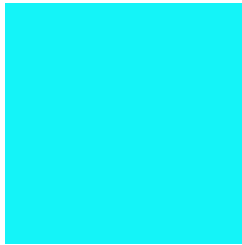
189, 0, 185



61, 0, 60

Previews

White Background



This preview shows how the RYB color 20, 133, 248 looks on a white background.

Color Contrast Check

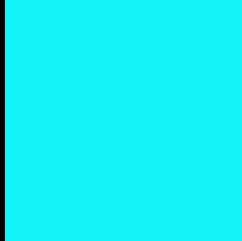
Large Text (above 18pt) WCAG AA × Fail

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 20, 133, 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

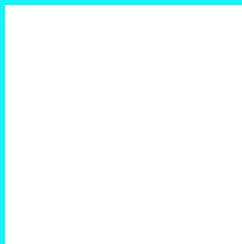
Any Text WCAG AAA ✓ Pass

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

RYB 20, 133, 248 Background



This preview shows how black text looks on a background with the RYB color 20, 133, 248.

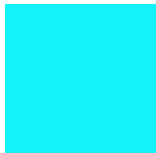


This preview shows how white text looks on a background with the RYB color 20, 133, 248.

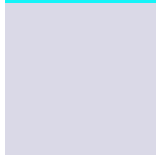
Color Blindness Simulation

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



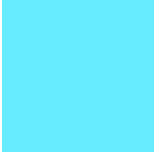
Original Color
20, 133, 248



Protanopia
218, 217, 231

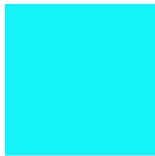


Deuteranopia
222, 213, 255



Tritanopia
103, 174, 255

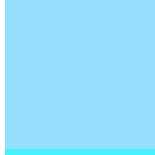
Trichromacy



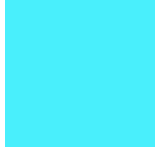
Original Color
20, 133, 248



Protanomaly
146, 189, 237



Deuteranomaly
149, 192, 252

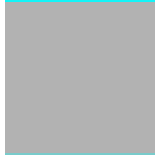


Tritanomaly
73, 159, 252

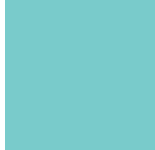
Monochromacy



Original Color
20, 133, 248



Achromatopsia
178, 178, 178



Achromatomaly
121, 162, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 20, 133, 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(20, 244, 248)` looks like.

```
.text, #text, p{  
    color:rgb(20, 244, 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(20, 244, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 244, 248) }
```

Border

The CSS property to change the border of an element to RYB 20, 133, 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(20, 244, 248) }
```

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

```
.border{ border-color:rgb(20, 244, 248) }
```

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

Here you see how a box with a 4 pixel rgb(20, 244, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 244, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 244, 248);  
box-shadow:4px 4px 4px 4px rgb(20, 244,  
248) }
```

Background

The CSS property to change the background color of an element to RGB 20, 133, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 244, 248) }
```

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

```
.background{ background-color: rgb(20, 244,  
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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