

Converting Colors

`RYB(19, 121, 238)`

Have a look what the booklet for RYB(19, 121, 238) contains.

RYB(19, 121, 238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(19, 121, 238)`

Conversions

Conversions Part 1

Format	Color
Hex	13D2EE
RGB	19, 210, 238
RGB Percent	7%, 82%, 93%
CMY	0.9255, 0.1768, 0.0667
CMYK	0.92, 0.12, 0.00, 0.07
HSL	188°, 87%, 50%
HSV	188°, 92%, 93%
XYZ	38.7288, 52.3667, 88.9555
YIQ	156.0830, -122.8240, -31.7840

Conversions

Conversions Part 2

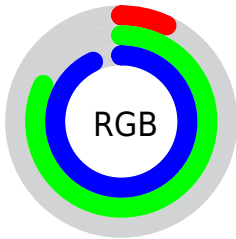
Format	Color
R _{YB}	19, 121, 238
Decimal	1299182
CIE _{Lab}	77.50, -32.33, -25.76
CIE _{LCh}	77, 41.341, 218.547
Y _{xy}	52.3667, 0.2151, 0.2908
Android (android.graphics.Color)	4279489262 (0xFF13D2EE)
YUV	156.0830, 40.3851, -120.2218
Hunter-Lab	72.3648, -31.1075, -22.2277

Details

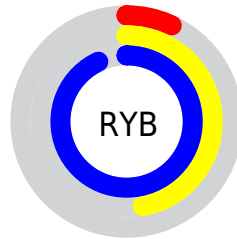
The RYB color **19, 121, 238** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **238, 51, 19**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **116, 186, 255**, and **0, 84, 182** is the 20% darker color. If you saturate the color by 10%, you get **0, 111, 238**, and if you desaturate by 10%, it is **43, 134, 238**.

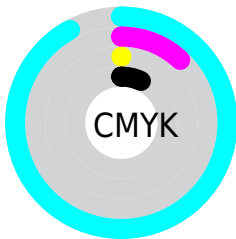
Distribution



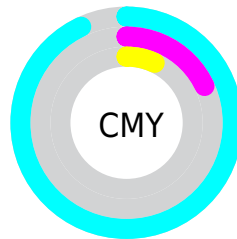
- Red (7%)
- Green (82%)
- Blue (93%)



- Red (7%)
- Yellow (47%)
- Blue (93%)



- Cyan (92%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)




















- Cyan (93%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 19, 121, 238 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 19, 121, 238 by changing the saturation by 10% instead.

 19, 121, 238	 19, 121, 238
 255, 255, 255	 0, 98, 210
 116, 186, 255	 0, 84, 182
 149, 202, 255	 0, 70, 155
 182, 219, 255	 0, 57, 129
 214, 235, 255	 0, 45, 104
 245, 250, 255	 0, 33, 80
	 0, 22, 56
	 0, 2, 35
	 0, 0, 10

■ 19, 121, 238

■ 19, 121, 238

■ 0, 111, 238

■ 43, 134, 238

■ 67, 147, 238

■ 90, 159, 238

■ 114, 172, 238

■ 138, 185, 238

■ 162, 197, 238

■ 186, 210, 238

■ 209, 222, 238

■ 233, 235, 238

Harmonies

Analogous

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



61, 139, 212



19, 121, 238



86, 155, 255

Triad

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



19, 121, 238



249, 166, 220



130, 206, 115

Complementary

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



19, 121, 238



238, 51, 19

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.



240, 238, 121



19, 121, 238



255, 162, 182

Square

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



19, 121, 238



210, 178, 252



255, 172, 146



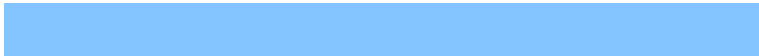
130, 203, 169

Rectangle

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



19, 121, 238



132, 174, 255



255, 172, 146



154, 218, 114

Sweetspot

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



19, 121, 238



184, 217, 255



19, 215, 238



84, 104, 128



0, 0, 0



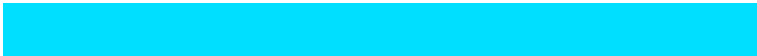
128, 128, 128

Same Dimension

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



19, 121, 238



0, 119, 255



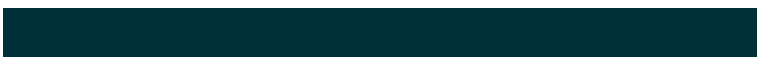
19, 80, 238



108, 113, 120



0, 86, 184



0, 26, 56

Inverse Universe

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



238, 19, 210



255, 0, 222



155, 238, 19



120, 108, 118



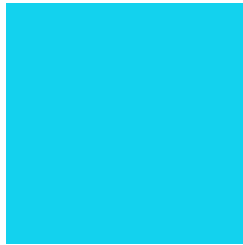
184, 0, 160



56, 0, 49

Previews

White Background



This preview shows how the RYB color 19, 121, 238 looks on a white background.

Color Contrast Check

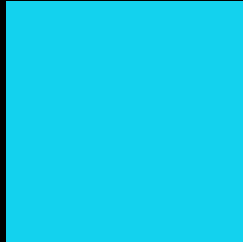
Large Text (above 18pt) WCAG AA × Fail

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 19, 121, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

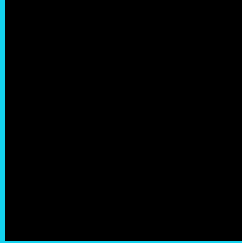
Any Text WCAG AA ✓ Pass

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 19, 121, 238 Background



This preview shows how black text looks on a background with the RYB color 19, 121, 238.

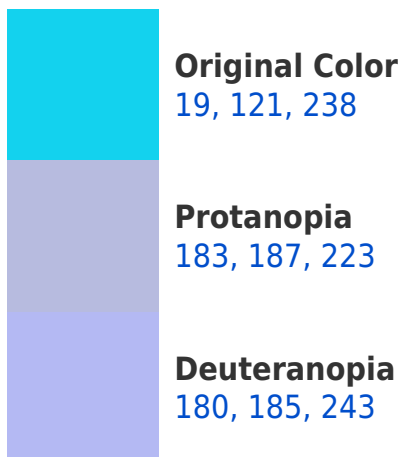


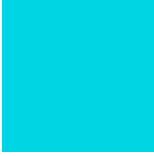
This preview shows how white text looks on a background with the RYB color 19, 121, 238.

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, 110, 228

Trichromacy



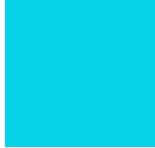
Original Color
19, 121, 238



Protanomaly
123, 166, 228



Deuteranomaly
121, 167, 241



Tritanomaly
7, 114, 232

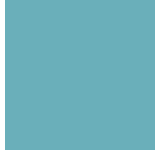
Monochromacy



Original Color
19, 121, 238



Achromatopsia
156, 156, 156



Achromatomaly
106, 143, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 121, 238 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(19, 210, 238)` looks like.

```
.text, #text, p{  
    color:rgb(19, 210, 238)  
}
```

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(19, 210, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 210, 238) }
```

Border

The CSS property to change the border of an element to RYB 19, 121, 238 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(19, 210, 238) }
```

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

```
.border{ border-color:rgb(19, 210, 238) }
```

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

Here you see how a box with a 4 pixel rgb(19, 210, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 210, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 210, 238);  
box-shadow:4px 4px 4px 4px rgb(19, 210,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 19, 121, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 210, 238) }
```

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

```
.background{ background-color: rgb(19, 210,  
238) }
```

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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