

Converting Colors

`RYB(20, 135, 190)`

Have a look what the booklet for
RYB(20, 135, 190) contains.

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Color

`RYB(20, 135, 190)`

Conversions

Conversions Part 1

Format	Color
Hex	14BE65
RGB	20, 190, 101
RGB Percent	8%, 75%, 40%
CMY	0.9216, 0.2549, 0.6027
CMYK	0.89, 0.00, 0.47, 0.25
HSL	149°, 81%, 41%
HSV	149°, 89%, 75%
XYZ	21.0659, 37.9212, 18.5995
YIQ	129.0240, -72.7510, -63.7190

Conversions

Conversions Part 2

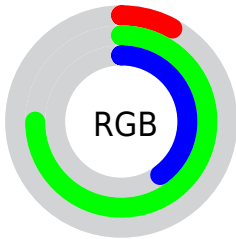
Format	Color
RYB	20, 135, 190
Decimal	1359461
CIELab	67.96, -59.32, 33.79
CIELCh	68, 68.270, 150.332
Yxy	37.9212, 0.2715, 0.4888
Android (android.graphics.Color)	4279549541 (0xFF14BE65)
YUV	129.0240, -13.8158, -95.6140
Hunter-Lab	61.5802, -46.7026, 25.1984

Details

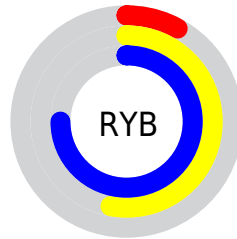
The RYB color **20, 135, 190** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **190, 20, 109**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **102, 210, 248**, and **0, 97, 135** is the 20% darker color. If you saturate the color by 10%, you get **1, 129, 190**, and if you desaturate by 10%, it is **39, 141, 190**.

Distribution



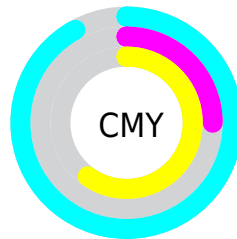
- Red (8%)
- Green (75%)
- Blue (40%)



- Red (8%)
- Yellow (53%)
- Blue (75%)



- Cyan (89%)
- Magenta (0%)
- Yellow (47%)
- Black (25%)





- Cyan (92%)
- Magenta (25%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the RYB color 20, 135, 190 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, 135, 190 by changing the saturation by 10% instead.

 20, 135, 190

 20, 135, 190

255, 255, 255

 0, 110, 162


 102, 210, 248

 0, 97, 135

 133, 221, 255

 0, 87, 109


 164, 225, 255

 0, 81, 83


 194, 230, 255


 0, 58, 58

 224, 240, 255


 0, 35, 35

 0, 0, 0

 20, 135, 190

 20, 135, 190

 1, 129, 190

 39, 141, 190

■ 0, 128, 190

■ 58, 147, 190

■ 77, 153, 190

■ 96, 160, 190

■ 115, 166, 190

■ 134, 172, 190

■ 153, 178, 190

■ 172, 184, 190

■ 191, 190, 191

Harmonies

Analogous

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



47, 180, 93



20, 135, 190



0, 105, 194

Triad

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



20, 135, 190



0, 103, 255



255, 114, 107

Complementary

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



20, 135, 190



190, 20, 109

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, 105, 168



20, 135, 190



165, 149, 255

Square

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



20, 135, 190



0, 108, 255



240, 121, 228



244, 206, 55

Rectangle

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



20, 135, 190



0, 100, 207



240, 121, 228



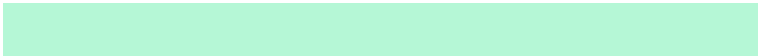
255, 109, 127

Sweetspot

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



20, 135, 190



181, 225, 247



20, 190, 99



85, 112, 125



252, 252, 252



125, 125, 125

Same Dimension

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



20, 135, 190



0, 167, 247



20, 107, 190



85, 91, 94



0, 107, 158



0, 21, 31

Inverse Universe

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



190, 20, 109



247, 0, 129



190, 20, 26



94, 85, 90



158, 0, 82



31, 0, 16

Previews

White Background



This preview shows how the RYB color 20, 135, 190 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, 135, 190 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, 135, 190 Background



This preview shows how black text looks on a background with the RYB color 20, 135, 190.

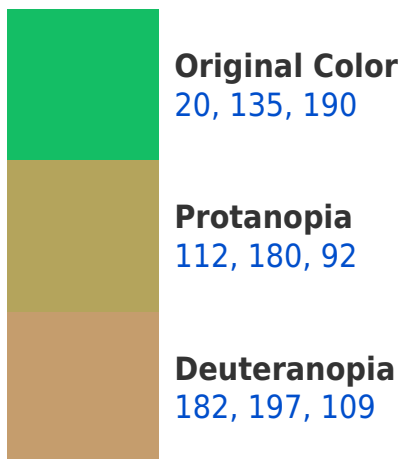


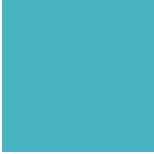
This preview shows how white text looks on a background with the RYB color 20, 135, 190.

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
73, 130, 194

Trichromacy



Original Color

20, 135, 190



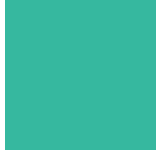
Protanomaly

95, 173, 146



Deuteranomaly

106, 169, 142



Tritanomaly

54, 126, 184

Monochromacy



Original Color

20, 135, 190



Achromatopsia

129, 129, 129



Achromatomaly

89, 131, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 20, 135, 190 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, 190, 101)` looks like.

```
.text, #text, p{  
    color:rgb(20, 190, 101)  
}
```

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, 190, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 190, 101) }
```

Border

The CSS property to change the border of an element to RYB 20, 135, 190 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, 190, 101) }
```

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

```
.border{ border-color:rgb(20, 190, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 190, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 190, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 190, 101);  
box-shadow:4px 4px 4px 4px rgb(20, 190,  
101) }
```

Background

The CSS property to change the background color of an element to RGB 20, 135, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 190, 101) }
```

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

```
.background{ background-color: rgb(20, 190,  
101) }
```

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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