

Converting Colors

`RYB(33, 135, 186)`

Have a look what the booklet for
RYB(33, 135, 186) contains.

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Color

`RYB(33, 135, 186)`

Conversions

Conversions Part 1

Format	Color
Hex	21BA6E
RGB	33, 186, 110
RGB Percent	13%, 73%, 43%
CMY	0.8706, 0.2706, 0.5706
CMYK	0.82, 0.00, 0.41, 0.27
HSL	150°, 70%, 43%
HSV	150°, 82%, 73%
XYZ	20.9734, 36.5561, 20.5601
YIQ	131.5890, -66.7920, -56.0720

Conversions

Conversions Part 2

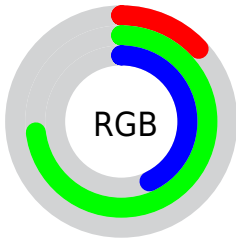
Format	Color
RYB	33, 135, 186
Decimal	2210414
CIELab	66.94, -55.37, 28.26
CIELCh	67, 62.164, 152.957
Yxy	36.5561, 0.2686, 0.4681
Android (android.graphics.Color)	4280400494 (0xFF21BA6E)
YUV	131.5890, -10.6434, -86.4626
Hunter-Lab	60.4616, -43.8883, 22.1614

Details

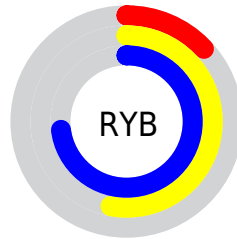
The RYB color **33, 135, 186** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **186, 33, 110**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **106, 203, 243**, and **0, 89, 131** is the 20% darker color. If you saturate the color by 10%, you get **14, 129, 186**, and if you desaturate by 10%, it is **52, 141, 186**.

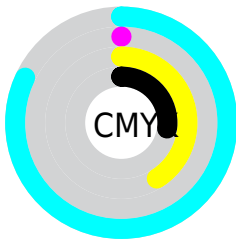
Distribution



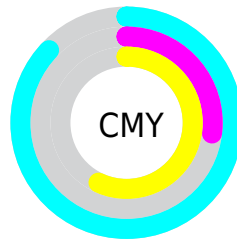
- Red (13%)
- Green (73%)
- Blue (43%)



- Red (13%)
- Yellow (53%)
- Blue (73%)



- Cyan (82%)
- Magenta (0%)
- Yellow (41%)
- Black (27%)



- Cyan (87%)
- Magenta (27%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 33, 135, 186 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, 135, 186 by changing the saturation by 10% instead.



33, 135, 186



33, 135, 186

255, 255, 255



0, 103, 158



106, 203, 243



0, 89, 131



136, 218, 255



0, 78, 105



166, 223, 255



0, 68, 80



196, 228, 255



0, 55, 55



226, 241, 255



0, 32, 32



0, 0, 0



33, 135, 186



33, 135, 186



14, 129, 186



52, 141, 186

■ 0, 124, 186

■ 70, 147, 186

■ 89, 154, 186

■ 107, 159, 186

■ 126, 166, 186

■ 145, 173, 186

■ 163, 178, 186

■ 182, 185, 186

■ 200, 186, 193

Harmonies

Analogous

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



62, 177, 109



33, 135, 186



0, 101, 190

Triad

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



33, 135, 186



24, 112, 255



255, 122, 105

Complementary

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



33, 135, 186



186, 33, 110

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, 110, 160



33, 135, 186



172, 146, 255

Square

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



33, 135, 186



0, 106, 255



235, 122, 215



232, 211, 61

Rectangle

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



33, 135, 186



0, 99, 205



235, 122, 215



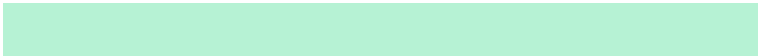
255, 114, 123

Sweetspot

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



33, 135, 186



182, 222, 242



33, 186, 110



86, 110, 122



250, 250, 250



122, 122, 122

Same Dimension

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



33, 135, 186



2, 162, 242



33, 110, 186



83, 89, 92



0, 104, 156



0, 19, 28

Inverse Universe

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



186, 33, 109



242, 2, 122



186, 33, 33



92, 83, 87



156, 0, 78



28, 0, 14

Previews

White Background



This preview shows how the RYB color 33, 135, 186 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, 135, 186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

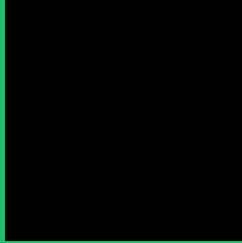
Any Text WCAG AA ✓ Pass

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, 135, 186 Background



This preview shows how black text looks on a background with the RGB color 33, 135, 186.

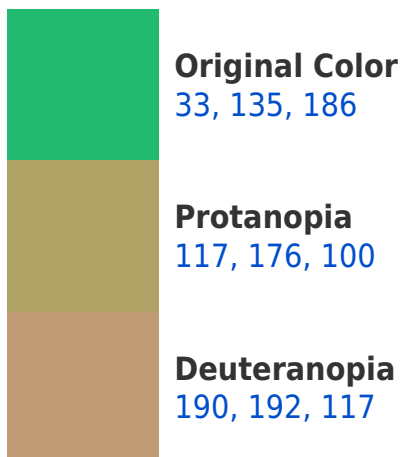


This preview shows how white text looks on a background with the RGB color 33, 135, 186.

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
74, 128, 191

Trichromacy



Original Color

33, 135, 186



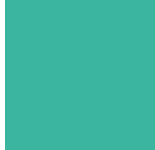
Protanomaly

103, 171, 150



Deuteranomaly

114, 166, 146



Tritanomaly

59, 125, 180

Monochromacy



Original Color

33, 135, 186



Achromatopsia

132, 132, 132



Achromatomaly

96, 133, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 33, 135, 186 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, 186, 110)` looks like.

```
.text, #text, p{  
    color:rgb(33, 186, 110)  
}
```

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, 186, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 186, 110) }
```

Border

The CSS property to change the border of an element to RYB 33, 135, 186 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, 186, 110) }
```

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

```
.border{ border-color:rgb(33, 186, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 186, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(33, 186, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(33, 186, 110); box-shadow:4px 4px 4px 4px rgb(33, 186, 110) }
```

Background

The CSS property to change the background color of an element to RGB 33, 135, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 186, 110) }
```

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

```
.background{ background-color: rgb(33, 186,  
110) }
```

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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