

Converting Colors

`RYB(46, 136, 191)`

Have a look what the booklet for
RYB(46, 136, 191) contains.

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Color

`RYB(46, 136, 191)`

Conversions

Conversions Part 1

Format	Color
Hex	2EBF87
RGB	46, 191, 135
RGB Percent	18%, 75%, 53%
CMY	0.8196, 0.2510, 0.4721
CMYK	0.76, 0.00, 0.30, 0.25
HSL	157°, 61%, 46%
HSV	157°, 76%, 75%
XYZ	24.1034, 39.5808, 29.1479
YIQ	141.2610, -68.4440, -48.1560

Conversions

Conversions Part 2

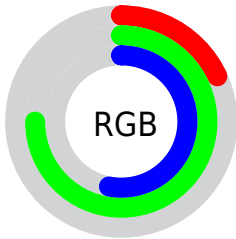
Format	Color
RYB	46, 136, 191
Decimal	3063687
CIELab	69.17, -50.63, 17.95
CIELCh	69, 53.716, 160.482
Yxy	39.5808, 0.2596, 0.4264
Android (android.graphics.Color)	4281253767 (0xFF2EBF87)
YUV	141.2610, -3.0867, -83.5439
Hunter-Lab	62.9133, -41.7112, 16.5701

Details

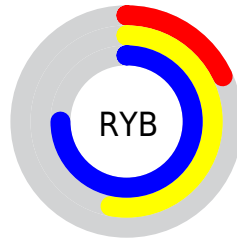
The RYB color **46, 136, 191** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **191, 46, 102**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **114, 200, 248**, and **0, 84, 136** is the 20% darker color. If you saturate the color by 10%, you get **27, 129, 191**, and if you desaturate by 10%, it is **65, 143, 191**.

Distribution



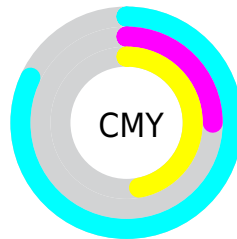
- Red (18%)
- Green (75%)
- Blue (53%)



- Red (18%)
- Yellow (53%)
- Blue (75%)



- Cyan (76%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)














- Cyan (82%)
- Magenta (25%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 46, 136, 191 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 46, 136, 191 by changing the saturation by 10% instead.

 46, 136, 191	 46, 136, 191
 255, 255, 255	 0, 98, 163
 114, 200, 248	 0, 84, 136
 144, 211, 255	 0, 71, 110
 174, 217, 255	 0, 58, 85
 204, 230, 255	 0, 46, 60
 234, 245, 255	 0, 38, 38
	 0, 0, 0

 46, 136, 191	 46, 136, 191
 27, 129, 191	 65, 143, 191

■ 8, 122, 191

■ 84, 151, 191

■ 0, 118, 191

■ 103, 158, 191

■ 122, 165, 191

■ 142, 172, 191

■ 161, 180, 191

■ 180, 187, 191

■ 199, 191, 194

■ 218, 191, 201

Harmonies

Analogous

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



92, 184, 148



46, 136, 191



0, 99, 193

Triad

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



46, 136, 191



115, 153, 255



252, 144, 108

Complementary

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



46, 136, 191



191, 46, 102

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, 127, 154



46, 136, 191



195, 149, 243

Square

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



46, 136, 191



0, 107, 255



242, 132, 203



203, 223, 76

Rectangle

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



46, 136, 191



0, 102, 217



242, 132, 203



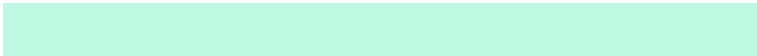
255, 133, 122

Sweetspot

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



46, 136, 191



190, 225, 247



46, 191, 133



90, 112, 125



252, 252, 252



125, 125, 125

Same Dimension

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



46, 136, 191



22, 161, 247



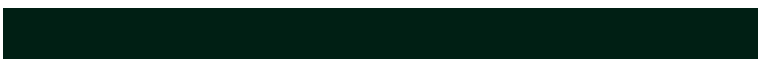
46, 115, 191



85, 90, 94



0, 98, 158



0, 19, 31

Inverse Universe

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



191, 46, 102



247, 22, 110



191, 63, 46



94, 85, 89



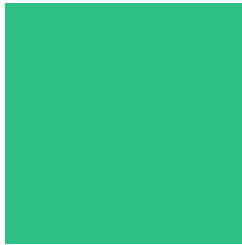
158, 0, 61



31, 0, 12

Previews

White Background



This preview shows how the RYB color 46, 136, 191 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 46, 136, 191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

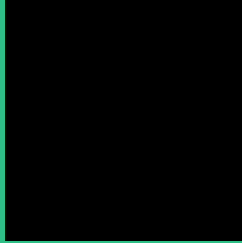
Any Text WCAG AA ✓ Pass

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](#).

R Y B 46, 136, 191 Background



This preview shows how black text looks on a background with the R Y B color 46, 136, 191.

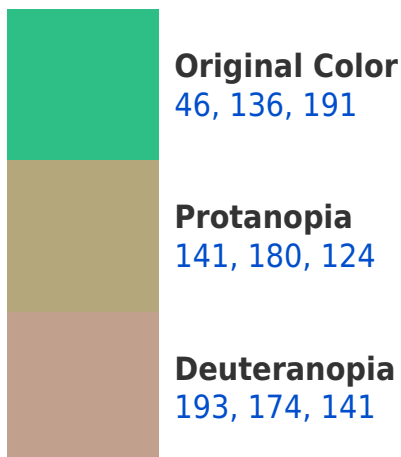


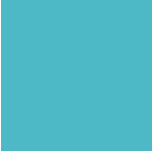
This preview shows how white text looks on a background with the R Y B color 46, 136, 191.

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
77, 134, 198

Trichromacy



Original Color

46, 136, 191



Protanomaly

128, 176, 173



Deuteranomaly

139, 172, 171



Tritanomaly

66, 129, 186

Monochromacy



Original Color

46, 136, 191



Achromatopsia

141, 141, 141



Achromatomaly

106, 139, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 46, 136, 191 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(46, 191, 135)` looks like.

```
.text, #text, p{  
    color:rgb(46, 191, 135)  
}
```

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(46, 191, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 191, 135) }
```

Border

The CSS property to change the border of an element to RYB 46, 136, 191 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(46, 191, 135) }
```

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

```
.border{ border-color:rgb(46, 191, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 191, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 191, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 191, 135);  
box-shadow:4px 4px 4px 4px rgb(46, 191,  
135) }
```

Background

The CSS property to change the background color of an element to RYB 46, 136, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 191, 135) }
```

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

```
.background{ background-color: rgb(46, 191,  
135) }
```

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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