

Converting Colors

`RYB(70, 143, 181)`

Have a look what the booklet for
RYB(70, 143, 181) contains.

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Color

R_YB(70, 143, 181)

Conversions

Conversions Part 1

Format	Color
Hex	46B580
RGB	70, 181, 128
RGB Percent	27%, 71%, 50%
CMY	0.7255, 0.2902, 0.4989
CMYK	0.61, 0.00, 0.29, 0.29
HSL	151°, 44%, 49%
HSV	151°, 61%, 71%
XYZ	22.9315, 35.9026, 26.0678
YIQ	141.7690, -49.1430, -40.0150

Conversions

Conversions Part 2

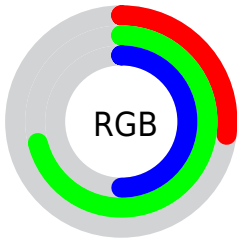
Format	Color
RYB	70, 143, 181
Decimal	4633984
CIELab	66.45, -44.10, 17.96
CIElCh	66, 47.617, 157.841
Yxy	35.9026, 0.2701, 0.4229
Android (android.graphics.Color)	4282824064 (0xFF46B580)
YUV	141.7690, -6.7881, -62.9414
Hunter-Lab	59.9188, -36.5441, 16.1489

Details

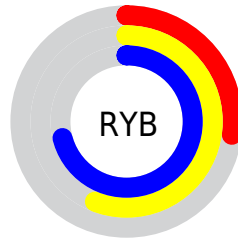
The RYB color **70, 143, 181** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **181, 70, 123**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **128, 202, 238**, and **0, 78, 127** is the 20% darker color. If you saturate the color by 10%, you get **52, 137, 181**, and if you desaturate by 10%, it is **88, 149, 181**.

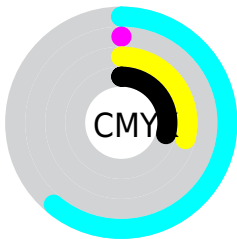
Distribution



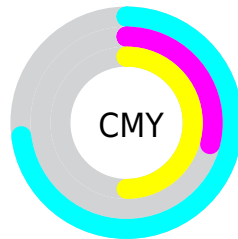
- Red (27%)
- Green (71%)
- Blue (50%)



- Red (27%)
- Yellow (56%)
- Blue (71%)



- Cyan (61%)
- Magenta (0%)
- Yellow (29%)
- Black (29%)




- Cyan (73%)
- Magenta (29%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 70, 143, 181 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 70, 143, 181 by changing the saturation by 10% instead.

 70, 143, 181

255, 255, 255


 128, 202, 238


 157, 221, 255

 186, 226, 255

 215, 235, 255

 245, 250, 255

 70, 143, 181


 36, 111, 154

 0, 79, 127


 0, 65, 101


 0, 53, 76

 0, 43, 53

 0, 31, 31

 0, 0, 0

 70, 143, 181

 52, 137, 181

 70, 143, 181

 88, 149, 181

■ 34, 131, 181

■ 106, 155, 181

■ 16, 124, 181

■ 124, 161, 181

■ 0, 119, 181

■ 142, 168, 181

■ 161, 174, 181

■ 179, 180, 181

■ 197, 181, 189

■ 215, 181, 197

■ 233, 181, 206

Harmonies

Analogous

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



92, 174, 135



70, 143, 181



0, 94, 183

Triad

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



70, 143, 181



110, 148, 246



237, 138, 111

Complementary

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



70, 143, 181



181, 70, 123

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.



242, 126, 152



70, 143, 181



180, 146, 229

Square

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



70, 143, 181



0, 101, 240



223, 131, 195



211, 213, 82

Rectangle

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



70, 143, 181



0, 96, 200



223, 131, 195



241, 129, 124

Sweetspot

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



70, 143, 181



192, 220, 235



70, 181, 127



91, 108, 117



245, 245, 245



117, 117, 117

Same Dimension

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



70, 143, 181



61, 176, 235



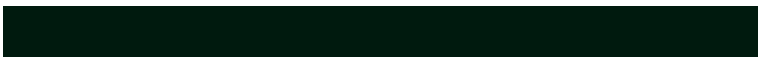
70, 125, 181



80, 86, 89



0, 100, 153



0, 17, 26

Inverse Universe

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



181, 70, 123



235, 61, 144



181, 72, 70



89, 80, 85



153, 0, 73



26, 0, 12

Previews

White Background



This preview shows how the RYB color 70, 143, 181 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 70, 143, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

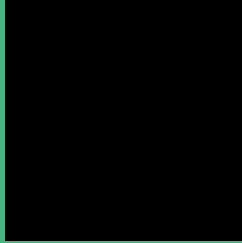
Any Text WCAG AA ✓ Pass

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 70, 143, 181 Background



This preview shows how black text looks on a background with the RYB color 70, 143, 181.

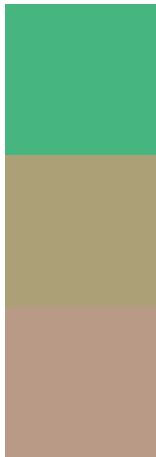


This preview shows how white text looks on a background with the RYB color 70, 143, 181.

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
70, 143, 181

Protanopia
133, 172, 118

Deuteranopia
185, 167, 134



Tritanopia
90, 135, 187

Trichromacy



Original Color

70, 143, 181



Protanomaly

122, 168, 155



Deuteranomaly

132, 164, 153



Tritanomaly

83, 132, 176

Monochromacy



Original Color

70, 143, 181



Achromatopsia

142, 142, 142



Achromatomaly

116, 142, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 143, 181 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(70, 181, 128)` looks like.

```
.text, #text, p{  
    color:rgb(70, 181, 128)  
}
```

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(70, 181, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 181, 128) }
```

Border

The CSS property to change the border of an element to RYB 70, 143, 181 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(70, 181, 128) }
```

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

```
.border{ border-color:rgb(70, 181, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 181, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 181, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 181, 128);  
box-shadow:4px 4px 4px 4px rgb(70, 181,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 70, 143, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 181, 128) }
```

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

```
.background{ background-color: rgb(70, 181,  
128) }
```

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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