

Converting Colors

`RYB(106, 170, 172)`

Have a look what the booklet for
RYB(106, 170, 172) contains.

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Color

R_YB(106, 170, 172)

Conversions

Conversions Part 1

Format	Color
Hex	6AAC6C
RGB	106, 172, 108
RGB Percent	42%, 67%, 42%
CMY	0.5843, 0.3255, 0.5762
CMYK	0.38, 0.00, 0.37, 0.33
HSL	122°, 28%, 55%
HSV	122°, 38%, 67%
XYZ	23.4065, 33.6533, 19.4669
YIQ	144.9700, -18.7920, -33.8960

Conversions

Conversions Part 2

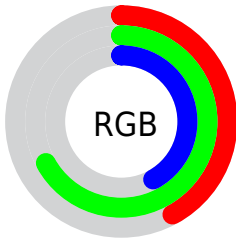
Format	Color
RYB	106, 170, 172
Decimal	6990956
CIELab	64.69, -34.38, 26.44
CIElCh	65, 43.377, 142.436
Yxy	33.6533, 0.3059, 0.4398
Android (android.graphics.Color)	4285181036 (0xFF6AAC6C)
YUV	144.9700, -18.2262, -34.1767
Hunter-Lab	58.0114, -29.4987, 20.7121

Details

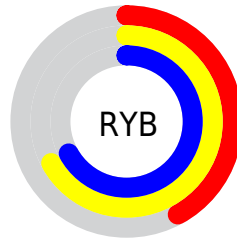
The RYB color **106, 170, 172** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **172, 106, 170**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **160, 228, 228**, and **54, 114, 119** is the 20% darker color. If you saturate the color by 10%, you get **89, 170, 172**, and if you desaturate by 10%, it is **123, 170, 172**.

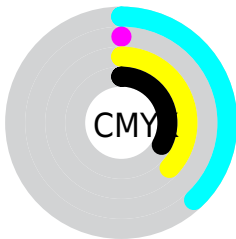
Distribution



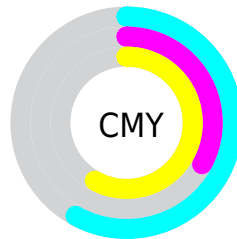
- Red (42%)
- Green (67%)
- Blue (42%)



- Red (42%)
- Yellow (67%)
- Blue (67%)



- Cyan (38%)
- Magenta (0%)
- Yellow (37%)
- Black (33%)



- Cyan (58%)
- Magenta (33%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 170, 172 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 106, 170, 172 by changing the saturation by 10% instead.

 106, 170, 172


255, 255, 255


 160, 228, 228


 187, 255, 254

 215, 255, 254

 244, 255, 254

 106, 170, 172

 80, 142, 145

 54, 114, 119

 26, 85, 94


 0, 58, 70

 0, 47, 47

 0, 25, 25


 0, 0, 0


 106, 170, 172


 89, 170, 172

 106, 170, 172


 123, 170, 172

 72, 169, 172


 140, 171, 172


 54, 168, 172


 158, 172, 172

 37, 168, 172


 175, 172, 175


 20, 167, 172

 192, 172, 191

 3, 167, 172

 209, 172, 208

 0, 167, 172

 226, 172, 225

 244, 172, 241

 255, 172, 255

Harmonies

Analogous

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



83, 164, 95



106, 170, 172



38, 116, 176

Triad

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



106, 170, 172



69, 129, 233



231, 127, 129

Complementary

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



106, 170, 172



172, 106, 170

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.



224, 126, 168



106, 170, 172



145, 151, 229

Square

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



106, 170, 172



0, 96, 217



196, 136, 205



217, 157, 97

Rectangle

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



106, 170, 172



0, 90, 177



196, 136, 205



231, 125, 142

Sweetspot

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



106, 170, 172



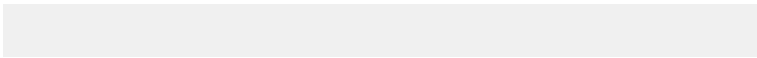
197, 223, 224



106, 172, 107



96, 111, 112



240, 240, 240



112, 112, 112

Same Dimension

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



106, 170, 172



121, 221, 224



106, 150, 172



78, 87, 87



0, 145, 150



0, 22, 23

Inverse Universe

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



172, 106, 170



224, 121, 221



172, 106, 138



87, 78, 86



150, 0, 146



23, 0, 22

Previews

White Background



This preview shows how the RYB color 106, 170, 172 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 106, 170, 172 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 106, 170, 172 Background



This preview shows how black text looks on a background with the RYB color 106, 170, 172.

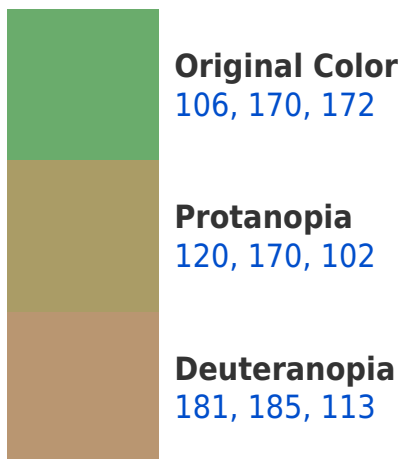


This preview shows how white text looks on a background with the RYB color 106, 170, 172.

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
119, 144, 177

Trichromacy



Original Color
106, 170, 172

Protanomaly
104, 162, 119

Deuteranomaly
111, 158, 113

Tritanomaly
114, 145, 167

Monochromacy



Original Color
106, 170, 172

Achromatopsia
145, 145, 145

Achromatomaly
131, 154, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 170, 172 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(106, 172, 108)` looks like.

```
.text, #text, p{  
    color:rgb(106, 172, 108)  
}
```

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(106, 172, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 172, 108) }
```

Border

The CSS property to change the border of an element to RYB 106, 170, 172 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(106, 172, 108) }
```

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

```
.border{ border-color:rgb(106, 172, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 172, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 172, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 172, 108);  
box-shadow:4px 4px 4px 4px rgb(106, 172,  
108) }
```

Background

The CSS property to change the background color of an element to RYB 106, 170, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 172, 108) }
```

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

```
.background{ background-color: rgb(106,  
172, 108) }
```

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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