

Converting Colors

`RYB(106, 166, 1)`

Have a look what the booklet for
RYB(106, 166, 1) contains.

RYB(106, 166, 1)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(106, 166, 1)`

Conversions

Conversions Part 1

Format	Color
Hex	A66601
RGB	166, 102, 1
RGB Percent	65%, 40%, 0%
CMY	0.3490, 0.6007, 0.9961
CMYK	0.00, 0.39, 0.99, 0.35
HSL	37°, 99%, 33%
HSV	37°, 99%, 65%
XYZ	20.4664, 17.5792, 2.3431
YIQ	109.6220, 70.5650, -17.8430

Conversions

Conversions Part 2

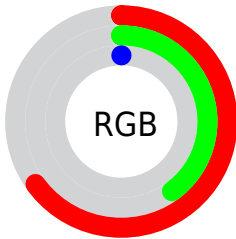
Format	Color
RYB	106, 166, 1
Decimal	10905089
CIELab	48.98, 19.60, 56.41
CIELCh	49, 59.714, 70.843
Yxy	17.5792, 0.5067, 0.4353
Android (android.graphics.Color)	4289095169 (0xFFA66601)
YUV	109.6220, -53.5506, 49.4435
Hunter-Lab	41.9276, 13.7592, 26.0358

Details

The RYB color **106, 166, 1** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **1, 47, 166**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **195, 226, 63**, and **104, 108, 0** is the 20% darker color. If you saturate the color by 10%, you get **107, 166, 0**, and if you desaturate by 10%, it is **113, 166, 18**.

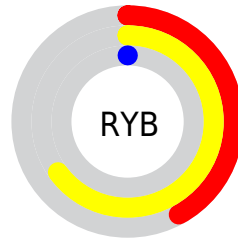
Distribution



Red (65%)

Green (40%)

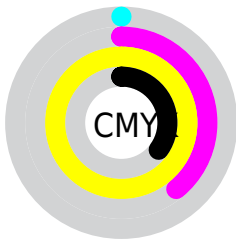
Blue (0%)



Red (42%)

Yellow (65%)

Blue (0%)

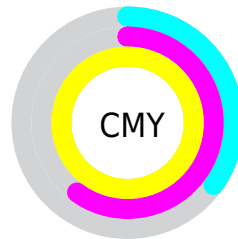


Cyan (0%)

Magenta (39%)

Yellow (99%)

Black (35%)



Cyan (35%)



















Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 166, 1 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, 166, 1 by changing the saturation by 10% instead.

 106, 166, 1	 106, 166, 1
 255, 255, 255	 104, 137, 0
 195, 226, 63	 104, 108, 0
 226, 255, 89	 80, 56, 0
 188, 255, 115	 53, 16, 0
 165, 255, 142	 29, 0, 1
 169, 255, 169	 0, 0, 0
 197, 255, 197	
 226, 255, 226	
 106, 166, 1	 106, 166, 1

■ 107, 166, 0

■ 113, 166, 18

■ 117, 166, 34

■ 125, 166, 51

■ 129, 166, 67

■ 136, 166, 84

■ 142, 166, 101

■ 148, 166, 117

■ 156, 166, 134

■ 160, 166, 150

Harmonies

Analogous

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



196, 85, 52



106, 166, 1



3, 123, 0

Triad

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



106, 166, 1



0, 72, 140



141, 94, 194

Complementary

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



106, 166, 1



1, 47, 166

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.



5, 78, 216



106, 166, 1



0, 78, 182

Square

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



106, 166, 1



0, 86, 137



0, 81, 212



190, 70, 151

Rectangle

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



106, 166, 1



10, 128, 50



0, 81, 212



116, 102, 204

Sweetspot

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



106, 166, 1



195, 217, 152



166, 1, 67



97, 110, 70



237, 237, 237



110, 110, 110

Same Dimension

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



106, 166, 1



140, 217, 0



1, 166, 17



81, 84, 76



95, 148, 0



13, 20, 0

Inverse Universe

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



1, 47, 166



0, 61, 217



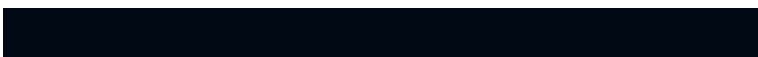
17, 1, 166



76, 78, 84



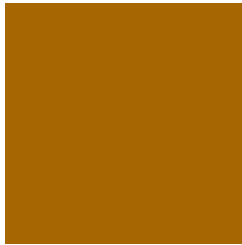
0, 42, 148



0, 6, 20

Previews

White Background



This preview shows how the RYB color 106, 166, 1 looks on a white background.

Color Contrast Check

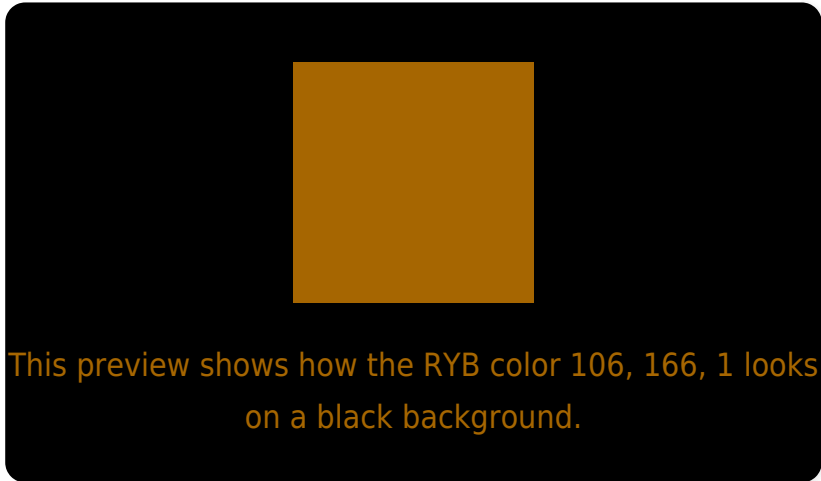
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 106, 166, 1 Background



This preview shows how black text looks on a background with the RYB color 106, 166, 1.



This preview shows how white text looks on a background with the RYB color 106, 166, 1.

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
106, 166, 1

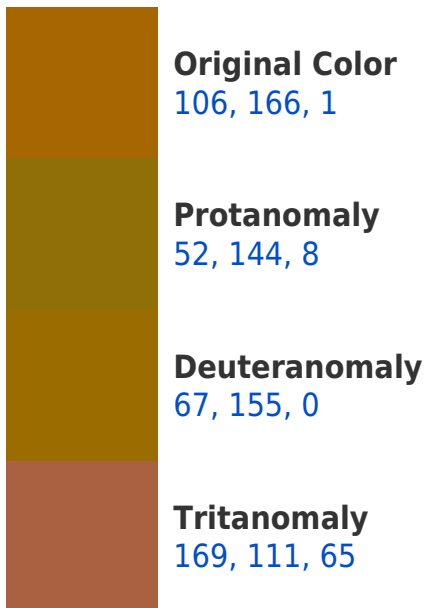
Protanopia
29, 132, 12

Deuteranopia
49, 148, 0



Tritanopia
170, 95, 102

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 166, 1 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(166, 102, 1)` looks like.

```
.text, #text, p{  
    color:rgb(166, 102, 1)  
}
```

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(166, 102, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 102, 1) }
```

Border

The CSS property to change the border of an element to RYB 106, 166, 1 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(166, 102, 1) }
```

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

```
.border{ border-color:rgb(166, 102, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 102, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 102, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 102, 1);  
box-shadow:4px 4px 4px 4px rgb(166, 102,  
1) }
```

Background

The CSS property to change the background color of an element to RGB 106, 166, 1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 102, 1) }
```

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

```
.background{ background-color: rgb(166,  
102, 1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor