

Converting Colors

`RYB(156, 156, 246)`

Have a look what the booklet for
RYB(156, 156, 246) contains.

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Color

R_YB(156, 156, 246)

Conversions

Conversions Part 1

Format	Color
Hex	9C9CF6
RGB	156, 156, 246
RGB Percent	61%, 61%, 96%
CMY	0.3882, 0.3882, 0.0353
CMYK	0.37, 0.37, 0.00, 0.04
HSL	240°, 83%, 79%
HSV	240°, 37%, 96%
XYZ	42.2333, 37.4987, 92.2008
YIQ	166.2600, -28.8900, 27.9900

Conversions

Conversions Part 2

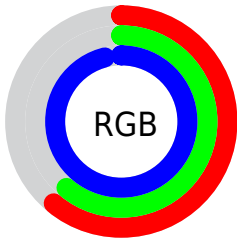
Format	Color
R _Y B	156, 156, 246
Decimal	10263798
CIE Lab	67.65, 20.98, -44.99
CIE LCh	68, 49.644, 295.004
Yxy	37.4987, 0.2456, 0.2181
Android (android.graphics.Color)	4288453878 (0xFF9C9CF6)
YUV	166.2600, 39.3118, -8.9980
Hunter-Lab	61.2362, 15.9445, -46.4052

Details

The RYB color **156, 156, 246** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **156, 246, 156**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **213, 210, 255**, and **101, 105, 189** is the 20% darker color. If you saturate the color by 10%, you get **131, 131, 246**, and if you desaturate by 10%, it is **181, 181, 246**.

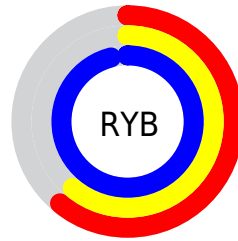
Distribution



Red (61%)

Green (61%)

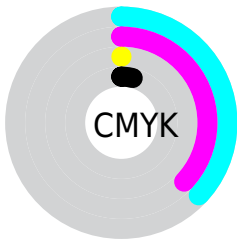
Blue (96%)



Red (61%)

Yellow (61%)

Blue (96%)

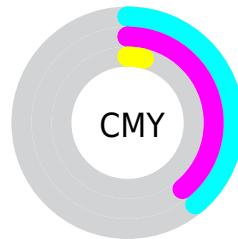


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (4%)



Cyan (39%)

Magenta (39%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 156, 246 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 156, 156, 246 by changing the saturation by 10% instead.

■ 156, 156, 246

■ 156, 156, 246

255, 255, 255

■ 128, 130, 217

■ 213, 210, 255

■ 101, 105, 189

■ 242, 239, 255

■ 73, 80, 162

■ 44, 56, 135

■ 4, 29, 109

■ 0, 14, 85


■ 0, 0, 61


■ 0, 3, 38


■ 0, 1, 15

 156, 156, 246

 156, 156, 246

 131, 131, 246

 181, 181, 246

 107, 107, 246

 205, 205, 246

 82, 82, 246

 230, 230, 246

 58, 58, 246

 246, 254, 246

 33, 33, 246

 246, 255, 246

 8, 8, 246

 0, 0, 246

Harmonies

Analogous

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



60, 131, 254



156, 156, 246



213, 139, 217

Triad

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



156, 156, 246



231, 173, 92



0, 102, 187

Complementary

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



156, 156, 246



156, 246, 156

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.



99, 173, 183



156, 156, 246



128, 198, 73

Square

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



156, 156, 246



248, 130, 129



80, 173, 99



0, 97, 201

Rectangle

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



156, 156, 246



236, 130, 189



80, 173, 99



41, 127, 186

Sweetspot

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



156, 156, 246



227, 227, 255



156, 201, 246



111, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



156, 156, 246



143, 143, 255



201, 156, 246



110, 110, 122



0, 0, 186



0, 0, 59

Inverse Universe

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



246, 156, 246



255, 143, 255



156, 246, 201



122, 110, 122



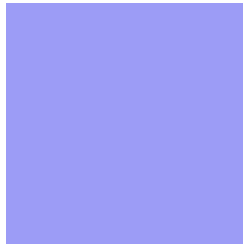
186, 0, 186



59, 0, 59

Previews

White Background



This preview shows how the RYB color 156, 156, 246 looks on a white background.

Color Contrast Check

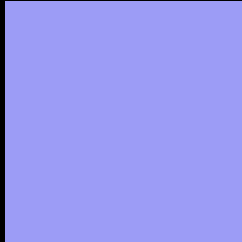
Large Text (above 18pt) WCAG AA × Fail

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 156, 156, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

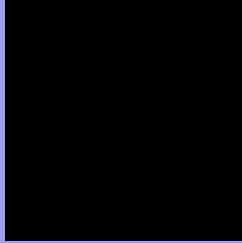
Any Text WCAG AA ✓ Pass

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 156, 156, 246 Background



This preview shows how black text looks on a background with the RYB color 156, 156, 246.



This preview shows how white text looks on a background with the RYB color 156, 156, 246.

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
156, 156, 246

Protanopia
133, 156, 251

Deuteranopia
129, 156, 244



Tritanopia
141, 158, 183

Trichromacy



Original Color
156, 156, 246

Protanomaly
141, 157, 249

Deuteranomaly
139, 157, 245

Tritanomaly
146, 160, 206

Monochromacy



Original Color
156, 156, 246

Achromatopsia
166, 166, 166

Achromatomaly
162, 162, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 156, 246 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(156, 156, 246) looks like.

```
.text, #text, p{  
    color:rgb(156, 156, 246)  
}
```

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(156, 156, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 156, 246) }
```

Border

The CSS property to change the border of an element to RYB 156, 156, 246 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(156, 156, 246) }
```

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

```
.border{ border-color:rgb(156, 156, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 156, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 156, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 156, 246);  
box-shadow:4px 4px 4px 4px rgb(156, 156,  
246) }
```

Background

The CSS property to change the background color of an element to RYB 156, 156, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 156, 246) }
```

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

```
.background{ background-color: rgb(156,  
156, 246) }
```

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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