

Converting Colors

`RYB(163, 180, 21)`

Have a look what the booklet for
RYB(163, 180, 21) contains.

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Color

R_YB(163, 180, 21)

Conversions

Conversions Part 1

Format	Color
Hex	B46915
RGB	180, 105, 21
RGB Percent	71%, 41%, 8%
CMY	0.2941, 0.5883, 0.9176
CMYK	0.00, 0.42, 0.88, 0.29
HSL	32°, 79%, 39%
HSV	32°, 88%, 71%
XYZ	24.0083, 19.8586, 3.2772
YIQ	117.8490, 71.6640, -10.2240

Conversions

Conversions Part 2

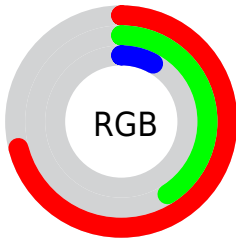
Format	Color
R_{YB}	163, 180, 21
Decimal	11823381
CIE _{Lab}	51.68, 24.36, 54.47
CIE _{LCh}	52, 59.669, 65.910
Yxy	19.8586, 0.5093, 0.4212
Android (android.graphics.Color)	4290013461 (0xFFB46915)
YUV	117.8490, -47.7466, 54.5064
Hunter-Lab	44.5629, 18.1818, 26.8339

Details

The RYB color **163, 180, 21** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **21, 72, 180**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **241, 237, 75**, and **121, 108, 0** is the 20% darker color. If you saturate the color by 10%, you get **163, 180, 3**, and if you desaturate by 10%, it is **167, 180, 39**.

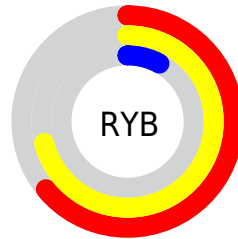
Distribution



Red (71%)

Green (41%)

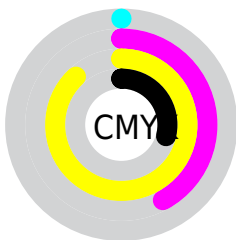
Blue (8%)



Red (64%)

Yellow (71%)

Blue (8%)

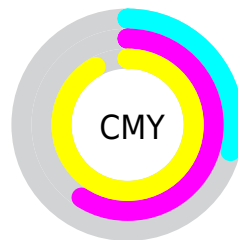


Cyan (0%)

Magenta (42%)

Yellow (88%)

Black (29%)



Cyan (29%)



















Magenta (59%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 180, 21 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 163, 180, 21 by changing the saturation by 10% instead.

 163, 180, 21	 163, 180, 21
 255, 255, 255	 128, 150, 0
 241, 237, 75	 121, 108, 0
 231, 255, 100	 92, 54, 0
 194, 255, 127	 65, 15, 0
 172, 255, 154	 41, 0, 0
 181, 255, 181	 0, 0, 0
 209, 255, 209	
 238, 255, 238	
 163, 180, 21	 163, 180, 21

■ 163, 180, 3

■ 167, 180, 39

■ 161, 180, 0

■ 167, 180, 57

■ 170, 180, 75

■ 171, 180, 93

■ 174, 180, 111

■ 174, 180, 129

■ 178, 180, 147

■ 178, 180, 165

■ 180, 181, 183

Harmonies

Analogous

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



207, 85, 66



163, 180, 21



16, 138, 0

Triad

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



163, 180, 21



0, 77, 147



137, 105, 207

Complementary

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



163, 180, 21



21, 72, 180

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.



0, 81, 225



163, 180, 21



0, 81, 182

Square

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



163, 180, 21



0, 93, 144



0, 85, 216



192, 81, 166

Rectangle

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



163, 180, 21



11, 133, 40



0, 85, 216



108, 113, 216

Sweetspot

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



163, 180, 21



227, 235, 171



180, 21, 98



111, 117, 80



245, 245, 245



117, 117, 117

Same Dimension

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



163, 180, 21



210, 235, 0



21, 180, 24



87, 89, 80



136, 153, 0



26, 26, 0

Inverse Universe

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



21, 72, 180



0, 75, 235



24, 21, 180



80, 83, 89



0, 49, 153



0, 8, 26

Previews

White Background



This preview shows how the RYB color 163, 180, 21 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 163, 180, 21 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 × Fail

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

R Y B 163, 180, 21 Background



This preview shows how black text looks on a background with the RYB color 163, 180, 21.



This preview shows how white text looks on a background with the RYB color 163, 180, 21.

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
163, 180, 21

Protanopia
43, 139, 26

Deuteranopia
62, 156, 9



Tritanopia
184, 98, 105

Trichromacy



Original Color
163, 180, 21

Protanomaly
76, 154, 24

Deuteranomaly
92, 165, 13

Tritanomaly
183, 110, 74

Monochromacy



Original Color
163, 180, 21

Achromatopsia
118, 118, 118

Achromatomaly
137, 141, 83

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 180, 21 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(180, 105, 21)` looks like.

```
.text, #text, p{  
    color:rgb(180, 105, 21)  
}
```

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(180, 105, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 105, 21) }
```

Border

The CSS property to change the border of an element to RYB 163, 180, 21 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(180, 105, 21) }
```

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

```
.border{ border-color:rgb(180, 105, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 105, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 105, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 105, 21);  
box-shadow:4px 4px 4px 4px rgb(180, 105,  
21) }
```

Background

The CSS property to change the background color of an element to RGB 163, 180, 21 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 180, 21) }
```

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

```
.background{ background-color: rgb(163,  
180, 21) }
```

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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