

Converting Colors

`RYB(90, 110, 161)`

Have a look what the booklet for
RYB(90, 110, 161) contains.

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Color

R_YB(90, 110, 161)

Conversions

Conversions Part 1

Format	Color
Hex	5A76A1
RGB	90, 118, 161
RGB Percent	35%, 46%, 63%
CMY	0.6471, 0.5379, 0.3686
CMYK	0.44, 0.27, 0.00, 0.37
HSL	216°, 28%, 49%
HSV	216°, 44%, 63%
XYZ	17.1094, 17.6668, 36.2265
YIQ	114.5300, -30.4910, 7.4370

Conversions

Conversions Part 2

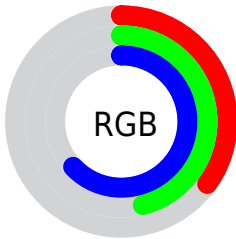
Format	Color
R _Y B	90, 110, 161
Decimal	5928609
CIE Lab	49.09, 1.76, -26.36
CIE LCh	49, 26.421, 273.815
Yxy	17.6668, 0.2410, 0.2488
Android (android.graphics.Color)	4284118689 (0xFF5A76A1)
YUV	114.5300, 22.9097, -21.5128
Hunter-Lab	42.0319, -0.8959, -21.6786

Details

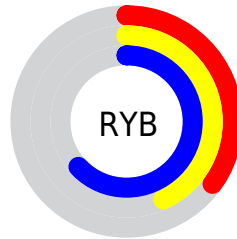
The RYB color **90, 110, 161** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **136, 161, 90**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **143, 163, 216**, and **38, 60, 109** is the 20% darker color. If you saturate the color by 10%, you get **74, 98, 161**, and if you desaturate by 10%, it is **106, 122, 161**.

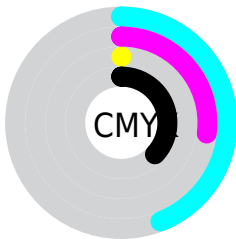
Distribution



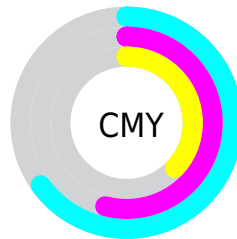
- Red (35%)
- Green (46%)
- Blue (63%)



- Red (35%)
- Yellow (43%)
- Blue (63%)



- Cyan (44%)
- Magenta (27%)
- Yellow (0%)
- Black (37%)



- Cyan (65%)
- Magenta (54%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 110, 161 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 90, 110, 161 by changing the saturation by 10% instead.



90, 110, 161



90, 110, 161

255, 255, 255



64, 85, 135



143, 163, 216



38, 60, 109



170, 190, 244



4, 33, 85



198, 216, 255



0, 19, 61



227, 241, 255



0, 3, 39



0, 1, 17



0, 0, 0



90, 110, 161



90, 110, 161



74, 98, 161



106, 122, 161

■ 58, 87, 161

■ 122, 133, 161

■ 42, 75, 161

■ 138, 144, 161

■ 26, 64, 161

■ 154, 156, 161

■ 10, 52, 161

■ 168, 171, 161

■ 0, 45, 161

■ 177, 187, 161

■ 190, 203, 161

■ 199, 219, 161

■ 209, 235, 161

Harmonies

Analogous

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



54, 96, 156



90, 110, 161



123, 110, 154

Triad

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



90, 110, 161



159, 103, 93



78, 114, 127

Complementary

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



90, 110, 161



136, 161, 90

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.



79, 123, 97



90, 110, 161



148, 135, 77

Square

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



90, 110, 161



160, 99, 115



89, 129, 72



51, 93, 129

Rectangle

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



90, 110, 161



141, 105, 143



89, 129, 72



88, 124, 126

Sweetspot

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



90, 110, 161



182, 190, 209



90, 134, 161



88, 92, 105



232, 232, 232



105, 105, 105

Same Dimension

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



90, 110, 161



98, 130, 209



97, 90, 161



73, 76, 82



0, 41, 145



0, 5, 18

Inverse Universe

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



161, 90, 118



209, 98, 142



90, 161, 97



82, 73, 77



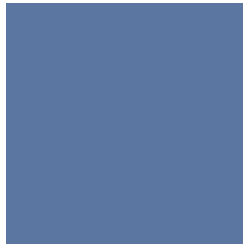
145, 0, 57



18, 0, 7

Previews

White Background



This preview shows how the RYB color 90, 110, 161 looks on a white background.

Color Contrast Check

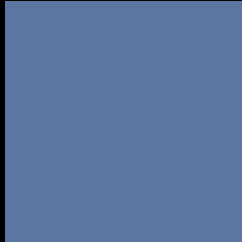
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 90, 110, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

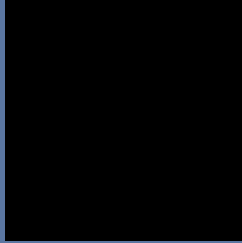
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

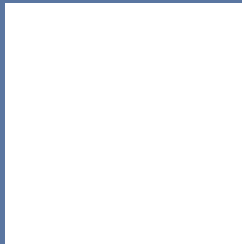
Any Text WCAG AAA × Fail

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

R Y B 90, 110, 161 Background



This preview shows how black text looks on a background with the R Y B color 90, 110, 161.

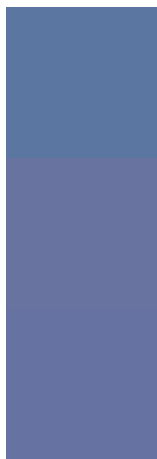


This preview shows how white text looks on a background with the R Y B color 90, 110, 161.

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

90, 110, 161

Protanopia

104, 113, 159

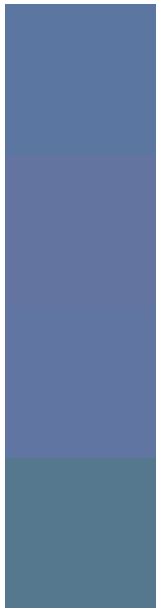
Deuteranopia

101, 112, 162



Tritanopia
82, 105, 133

Trichromacy



Original Color

90, 110, 161

Protanomaly

99, 112, 160

Deuteranomaly

97, 112, 162

Tritanomaly

85, 107, 143

Monochromacy



Original Color

90, 110, 161

Achromatopsia

114, 114, 114

Achromatomaly

105, 112, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 110, 161 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(90, 118, 161)` looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 161)  
}
```

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(90, 118, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 161) }
```

Border

The CSS property to change the border of an element to RYB 90, 110, 161 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(90, 118, 161) }
```

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

```
.border{ border-color:rgb(90, 118, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 118, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 161);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
161) }
```

Background

The CSS property to change the background color of an element to RGB 90, 118, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 118, 161) }
```

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

```
.background{ background-color: rgb(90, 118,  
161) }
```

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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