

Converting Colors

R_YB(45, 91, 193)

Have a look what the booklet for
RYB(45, 91, 193) contains.

RYB(45, 91, 193)	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

R_YB(45, 91, 193)

Conversions

Conversions Part 1

Format	Color
Hex	2D70C1
RGB	45, 112, 193
RGB Percent	18%, 44%, 76%
CMY	0.8235, 0.5618, 0.2431
CMYK	0.77, 0.42, 0.00, 0.24
HSL	213°, 62%, 47%
HSV	213°, 77%, 76%
XYZ	16.4739, 15.9403, 52.6606
YIQ	101.2010, -65.9330, 10.9870

Conversions

Conversions Part 2

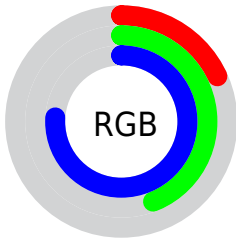
Format	Color
R_{YB}	45, 91, 193
Decimal	2977985
CIE Lab	46.90, 7.67, -48.55
CIE LCh	47, 49.151, 278.981
Yxy	15.9403, 0.1936, 0.1874
Android (android.graphics.Color)	4281168065 (0xFF2D70C1)
YUV	101.2010, 45.2569, -49.2883
Hunter-Lab	39.9253, 3.7830, -50.2544

Details

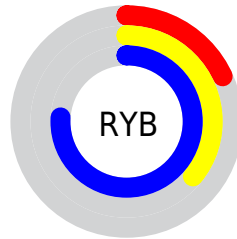
The RYB color **45, 91, 193** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **167, 193, 45**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **112, 149, 250**, and **0, 44, 139** is the 20% darker color. If you saturate the color by 10%, you get **26, 78, 193**, and if you desaturate by 10%, it is **64, 104, 193**.

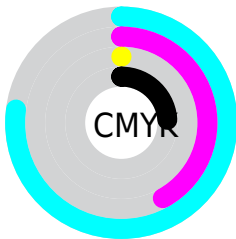
Distribution



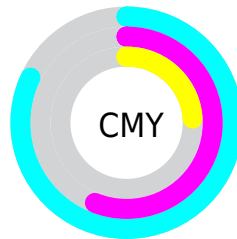
- Red (18%)
- Green (44%)
- Blue (76%)



- Red (18%)
- Yellow (36%)
- Blue (76%)



- Cyan (77%)
- Magenta (42%)
- Yellow (0%)
- Black (24%)



















- Cyan (82%)
- Magenta (56%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 91, 193 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 45, 91, 193 by changing the saturation by 10% instead.

 45, 91, 193	 45, 91, 193
 255, 255, 255	 0, 58, 166
 112, 149, 250	 0, 44, 139
 141, 175, 255	 0, 32, 113
 171, 201, 255	 0, 19, 88
 201, 226, 255	 0, 6, 64
 231, 243, 255	 0, 3, 41
	 0, 1, 19
	 0, 0, 0

 45, 91, 193  45, 91, 193

■ 26, 78, 193

■ 64, 104, 193

■ 6, 64, 193

■ 84, 118, 193

■ 0, 60, 193

■ 103, 131, 193

■ 122, 144, 193

■ 142, 158, 193

■ 161, 171, 193

■ 180, 184, 193

■ 196, 199, 193

■ 215, 219, 193

Harmonies

Analogous

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



0, 74, 188



45, 91, 193



129, 95, 176

Triad

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



45, 91, 193



179, 87, 61



0, 80, 129

Complementary

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



45, 91, 193



167, 193, 45

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.



42, 123, 89



45, 91, 193



137, 156, 30

Square

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



45, 91, 193



186, 72, 100



27, 121, 18



0, 68, 131

Rectangle

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



45, 91, 193



160, 83, 154



27, 121, 18



28, 100, 127

Sweetspot

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



45, 91, 193



192, 210, 250



45, 141, 193



90, 101, 125



252, 252, 252



125, 125, 125

Same Dimension

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



45, 91, 193



20, 92, 250



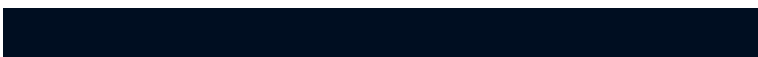
50, 45, 193



87, 90, 97



0, 50, 161



0, 10, 33

Inverse Universe

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



193, 45, 112



250, 20, 124



45, 193, 50



97, 87, 92



161, 0, 72



33, 0, 15

Previews

White Background



This preview shows how the RYB color 45, 91, 193 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 45, 91, 193 looks on a black 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

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

RYP 45, 91, 193 Background



This preview shows how black text looks on a background with the RYP color 45, 91, 193.

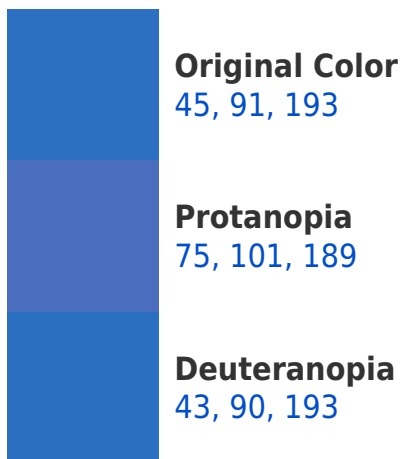


This preview shows how white text looks on a background with the RYP color 45, 91, 193.

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](#).

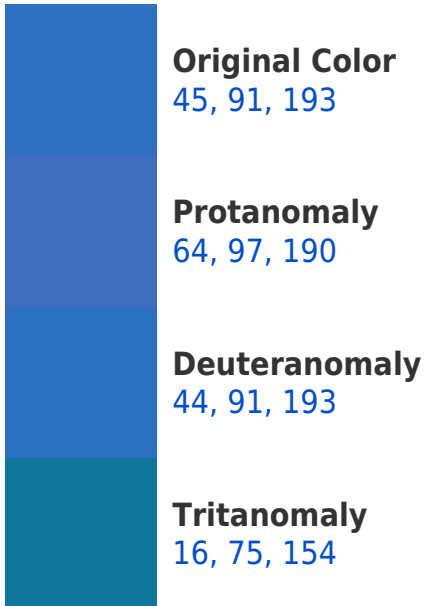
Dichromacy



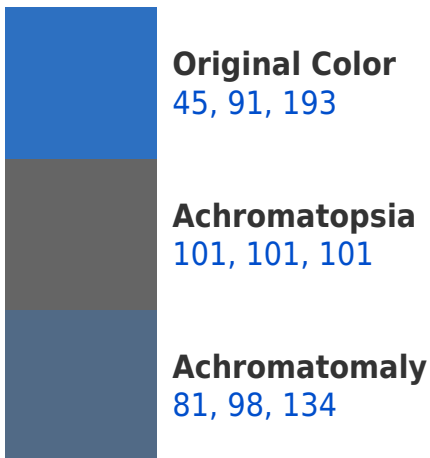


Tritanopia
0, 64, 132

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 91, 193 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(45, 112, 193)` looks like.

```
.text, #text, p{  
    color:rgb(45, 112, 193)  
}
```

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(45, 112, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 112, 193) }
```

Border

The CSS property to change the border of an element to RYB 45, 91, 193 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(45, 112, 193) }
```

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

```
.border{ border-color:rgb(45, 112, 193) }
```

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

Here you see how a box with a 4 pixel rgb(45, 112, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 112, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 112, 193);  
box-shadow:4px 4px 4px 4px rgb(45, 112,  
193) }
```

Background

The CSS property to change the background color of an element to RYB 45, 91, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 112, 193) }
```

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

```
.background{ background-color: rgb(45, 112,  
193) }
```

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