

Converting Colors

`RYB(45, 114, 193)`

Have a look what the booklet for RYB(45, 114, 193) contains.

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Color

R_YB(45, 114, 193)

Conversions

Conversions Part 1

Format	Color
Hex	2DAEC1
RGB	45, 174, 193
RGB Percent	18%, 68%, 76%
CMY	0.8235, 0.3166, 0.2431
CMYK	0.77, 0.10, 0.00, 0.24
HSL	188°, 62%, 47%
HSV	188°, 77%, 76%
XYZ	25.8953, 34.7831, 55.8011
YIQ	137.5950, -82.9830, -21.4390

Conversions

Conversions Part 2

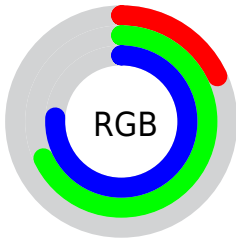
Format	Color
R_{YB}	45, 114, 193
Decimal	2993857
CIE _{Lab}	65.58, -27.50, -19.40
CIE _{LCh}	66, 33.650, 215.199
Yxy	34.7831, 0.2223, 0.2986
Android (android.graphics.Color)	4281183937 (0xFF2DAEC1)
YUV	137.5950, 27.3147, -81.2058
Hunter-Lab	58.9772, -24.8355, -14.8130

Details

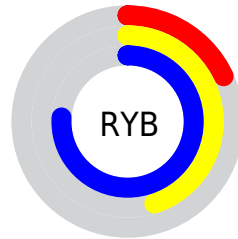
The RYB color **45, 114, 193** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **193, 67, 45**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **115, 177, 249**, and **0, 65, 139** is the 20% darker color. If you saturate the color by 10%, you get **26, 104, 193**, and if you desaturate by 10%, it is **64, 124, 193**.

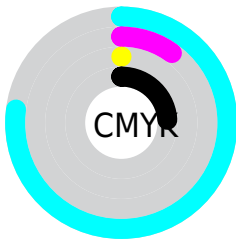
Distribution



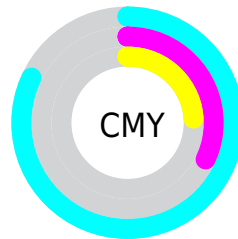
- Red (18%)
- Green (68%)
- Blue (76%)



- Red (18%)
- Yellow (45%)
- Blue (76%)



- Cyan (77%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)




- Cyan (82%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 114, 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, 114, 193 by changing the saturation by 10% instead.

 45, 114, 193

255, 255, 255


 115, 177, 249

 145, 200, 255

 176, 216, 255

 206, 231, 255

 236, 246, 255

 45, 114, 193


 0, 78, 166

 0, 65, 139

 0, 52, 114


 0, 40, 89


 0, 28, 66

 0, 17, 44

 0, 1, 23

 0, 0, 0

 45, 114, 193

 45, 114, 193

■ 26, 104, 193

■ 64, 124, 193

■ 6, 93, 193

■ 84, 135, 193

■ 0, 90, 193

■ 103, 145, 193

■ 122, 155, 193

■ 142, 166, 193

■ 161, 176, 193

■ 180, 186, 193

■ 199, 194, 193

■ 219, 196, 193

Harmonies

Analogous

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



68, 125, 176



45, 114, 193



76, 131, 213

Triad

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



45, 114, 193



202, 140, 185



118, 174, 99

Complementary

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



45, 114, 193



193, 67, 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.



200, 187, 105



45, 114, 193



217, 136, 155

Square

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



45, 114, 193



170, 150, 209



216, 143, 126



109, 168, 135

Rectangle

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



45, 114, 193



109, 146, 219



216, 143, 126



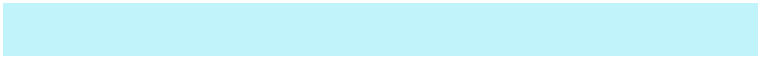
141, 184, 99

Sweetspot

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



45, 114, 193



192, 219, 250



45, 178, 193



90, 106, 125



252, 252, 252



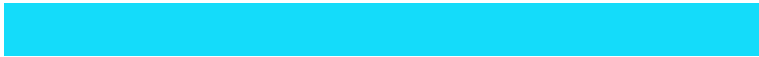
125, 125, 125

Same Dimension

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



45, 114, 193



20, 127, 250



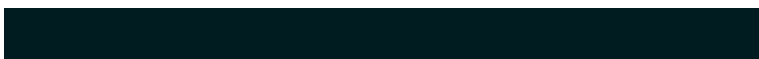
45, 86, 193



87, 92, 97



0, 75, 161



0, 15, 33

Inverse Universe

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



193, 45, 174



250, 20, 221



138, 193, 45



97, 87, 96



161, 0, 140



33, 0, 29

Previews

White Background



This preview shows how the RYB color 45, 114, 193 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 45, 114, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

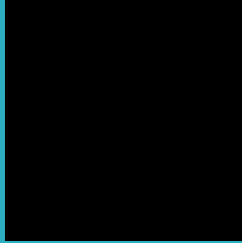
Any Text WCAG AA ✓ Pass

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](#).

RGB 45, 114, 193 Background



This preview shows how black text looks on a background with the RGB color 45, 114, 193.

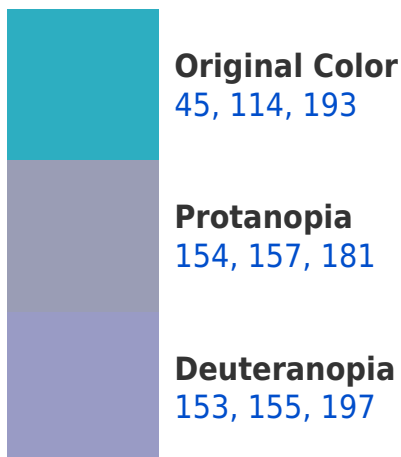


This preview shows how white text looks on a background with the RGB color 45, 114, 193.

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
42, 112, 189

Trichromacy



Original Color
45, 114, 193



Protanomaly
114, 143, 185



Deuteranomaly
114, 144, 196



Tritanomaly
43, 113, 190

Monochromacy



Original Color
45, 114, 193



Achromatopsia
138, 138, 138



Achromatomaly
104, 129, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 114, 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, 174, 193)` looks like.

```
.text, #text, p{  
    color:rgb(45, 174, 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, 174, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 174, 193) }
```

Border

The CSS property to change the border of an element to RYB 45, 114, 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, 174, 193) }
```

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

```
.border{ border-color:rgb(45, 174, 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, 174, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 174, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 174, 193);  
box-shadow:4px 4px 4px 4px rgb(45, 174,  
193) }
```

Background

The CSS property to change the background color of an element to RYB 45, 114, 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, 174, 193) }
```

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

```
.background{ background-color: rgb(45, 174,  
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](#).

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