

Converting Colors

`RYB(45, 164, 228)`

Have a look what the booklet for
RYB(45, 164, 228) contains.

RYB(45, 164, 228)	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

`RYB(45, 164, 228)`

Conversions

Conversions Part 1

Format	Color
Hex	2DE48F
RGB	45, 228, 143
RGB Percent	18%, 89%, 56%
CMY	0.8235, 0.1059, 0.4376
CMYK	0.80, 0.00, 0.37, 0.11
HSL	152°, 77%, 54%
HSV	152°, 80%, 89%
XYZ	33.8154, 58.0406, 35.5745
YIQ	163.5930, -81.7830, -65.2310

Conversions

Conversions Part 2

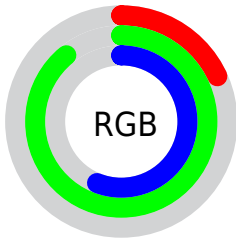
Format	Color
RYB	45, 164, 228
Decimal	3007631
CIELab	80.76, -62.78, 29.08
CIELCh	81, 69.190, 155.147
Yxy	58.0406, 0.2654, 0.4555
Android (android.graphics.Color)	4281197711 (0xFF2DE48F)
YUV	163.5930, -10.1523, -104.0061
Hunter-Lab	76.1844, -54.0932, 25.6435

Details

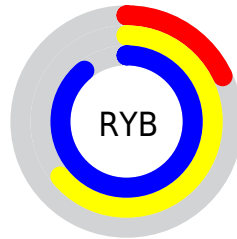
The RYB color **45, 164, 228** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **228, 45, 130**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **121, 207, 255**, and **0, 111, 171** is the 20% darker color. If you saturate the color by 10%, you get **22, 156, 228**, and if you desaturate by 10%, it is **68, 172, 228**.

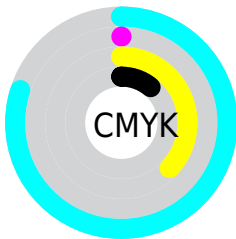
Distribution



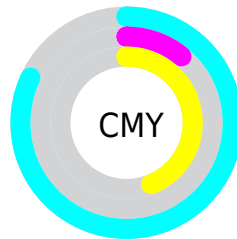
- Red (18%)
- Green (89%)
- Blue (56%)



- Red (18%)
- Yellow (64%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)





















- Cyan (82%)
- Magenta (11%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the RYB color 45, 164, 228 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, 164, 228 by changing the saturation by 10% instead.

 45, 164, 228	 45, 164, 228
 255, 255, 255	 0, 125, 199
 121, 206, 255	 0, 111, 171
 153, 212, 255	 0, 98, 144
 184, 220, 255	 0, 85, 117
 216, 236, 255	 0, 74, 91
 247, 251, 255	 0, 65, 65
	 0, 42, 42
	 0, 5, 5
	 0, 0, 0


 45, 164, 228


 45, 164, 228


 22, 156, 228

 68, 172, 228

 0, 148, 228

 91, 180, 228

 113, 188, 228

 136, 196, 228

 159, 204, 228

 182, 212, 228

 205, 220, 228

 227, 228, 228

 250, 228, 238

Harmonies

Analogous

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



88, 218, 148



45, 164, 228



0, 122, 232

Triad

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



45, 164, 228



83, 154, 255



255, 159, 129

Complementary

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



45, 164, 228



228, 45, 130

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.



255, 141, 192



45, 164, 228



218, 179, 255

Square

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



45, 164, 228



0, 119, 255



255, 153, 255



222, 255, 81

Rectangle

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



45, 164, 228



0, 121, 254



255, 153, 255



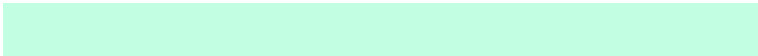
255, 147, 149

Sweetspot

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



45, 164, 228



194, 234, 255



45, 228, 143



91, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



45, 164, 228



10, 169, 255



45, 135, 228



103, 111, 115



0, 117, 179



0, 33, 51

Inverse Universe

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



228, 45, 130



255, 10, 123



228, 51, 45



115, 103, 109



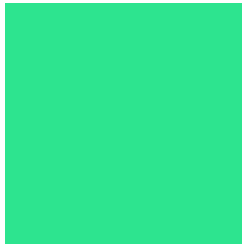
179, 0, 83



51, 0, 24

Previews

White Background



This preview shows how the RYB color 45, 164, 228 looks on a white background.

Color Contrast Check

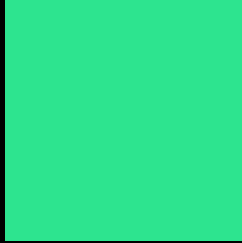
Large Text (above 18pt) WCAG AA × Fail

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, 164, 228 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, 164, 228 Background



This preview shows how black text looks on a background with the RGB color 45, 164, 228.

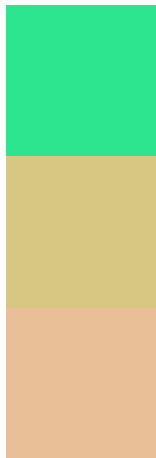


This preview shows how white text looks on a background with the RGB color 45, 164, 228.

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
45, 164, 228

Protanopia
152, 216, 131

Deuteranopia
233, 227, 152



Tritanopia
91, 158, 235

Trichromacy



Original Color

45, 164, 228



Protanomaly

136, 210, 192



Deuteranomaly

149, 204, 188



Tritanomaly

74, 153, 221

Monochromacy



Original Color

45, 164, 228



Achromatopsia

164, 164, 164



Achromatomaly

121, 164, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 164, 228 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, 228, 143)` looks like.

```
.text, #text, p{  
    color:rgb(45, 228, 143)  
}
```

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, 228, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 228, 143) }
```

Border

The CSS property to change the border of an element to RYB 45, 164, 228 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, 228, 143) }
```

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

```
.border{ border-color:rgb(45, 228, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 228, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 228, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 228, 143);  
box-shadow:4px 4px 4px 4px rgb(45, 228,  
143) }
```

Background

The CSS property to change the background color of an element to RYB 45, 164, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 228, 143) }
```

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

```
.background{ background-color: rgb(45, 228,  
143) }
```

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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