

Converting Colors

`RYB(45, 105, 198)`

Have a look what the booklet for
RYB(45, 105, 198) contains.

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Color

R_YB(45, 105, 198)

Conversions

Conversions Part 1

Format	Color
Hex	2D90C6
RGB	45, 144, 198
RGB Percent	18%, 56%, 78%
CMY	0.8235, 0.4364, 0.2235
CMYK	0.77, 0.27, 0.00, 0.22
HSL	201°, 63%, 48%
HSV	201°, 77%, 78%
XYZ	21.2046, 24.4938, 57.0363
YIQ	120.5550, -76.3380, -4.1940

Conversions

Conversions Part 2

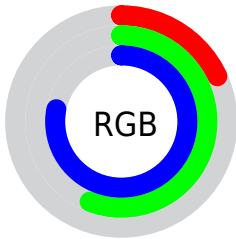
Format	Color
R_{YB}	45, 105, 198
Decimal	2986182
CIE _{Lab}	56.58, -9.59, -36.09
CIE _{LCh}	57, 37.340, 255.118
Yxy	24.4938, 0.2064, 0.2384
Android (android.graphics.Color)	4281176262 (0xFF2D90C6)
YUV	120.5550, 38.1804, -66.2617
Hunter-Lab	49.4912, -10.1310, -33.6851

Details

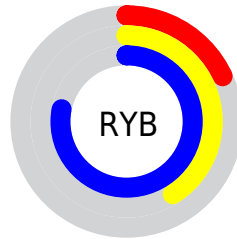
The RYB color **45, 105, 198** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **198, 128, 45**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **113, 166, 255**, and **0, 57, 144** is the 20% darker color. If you saturate the color by 10%, you get **25, 93, 198**, and if you desaturate by 10%, it is **65, 117, 198**.

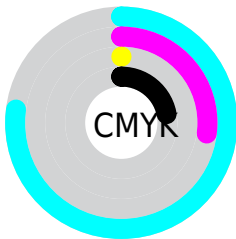
Distribution



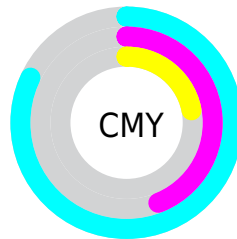
- Red (18%)
- Green (56%)
- Blue (78%)



- Red (18%)
- Yellow (41%)
- Blue (78%)



- Cyan (77%)
- Magenta (27%)
- Yellow (0%)
- Black (22%)





- Cyan (82%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 105, 198 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, 105, 198 by changing the saturation by 10% instead.

 45, 105, 198

 45, 105, 198

255, 255, 255

 0, 70, 171


 113, 166, 255

 0, 57, 144

 143, 190, 255

 0, 44, 118

 173, 214, 255

 0, 32, 93

 203, 229, 255


 0, 20, 69


 233, 244, 255

 0, 4, 46

 0, 1, 25

 0, 0, 0

 45, 105, 198

 45, 105, 198

■ 25, 93, 198

■ 65, 117, 198

■ 5, 81, 198

■ 85, 129, 198

■ 0, 78, 198

■ 104, 141, 198

■ 124, 153, 198

■ 144, 165, 198

■ 164, 177, 198

■ 184, 189, 198

■ 203, 201, 198

■ 223, 212, 198

Harmonies

Analogous

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



0, 82, 181



45, 105, 198



113, 129, 198

Triad

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



45, 105, 198



198, 110, 120



88, 147, 132

Complementary

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



45, 105, 198



198, 128, 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.



72, 140, 71



45, 105, 198



191, 126, 91

Square

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



45, 105, 198



188, 111, 153



147, 170, 73



57, 115, 152

Rectangle

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



45, 105, 198



146, 125, 189



147, 170, 73



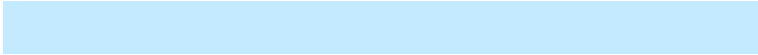
81, 145, 110

Sweetspot

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



45, 105, 198



196, 219, 255



45, 158, 198



92, 106, 128



0, 0, 0



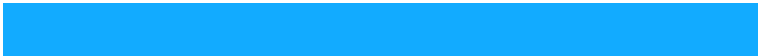
128, 128, 128

Same Dimension

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



45, 105, 198



18, 111, 255



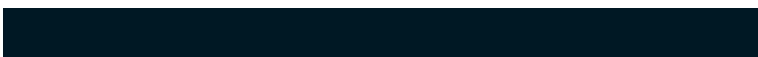
45, 65, 198



90, 94, 99



0, 64, 163



0, 14, 36

Inverse Universe

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



198, 45, 144



255, 18, 171



72, 198, 45



99, 90, 96



163, 0, 105



36, 0, 23

Previews

White Background



This preview shows how the RYB color 45, 105, 198 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 45, 105, 198 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](#).

RYB 45, 105, 198 Background



This preview shows how black text looks on a background with the RYB color 45, 105, 198.

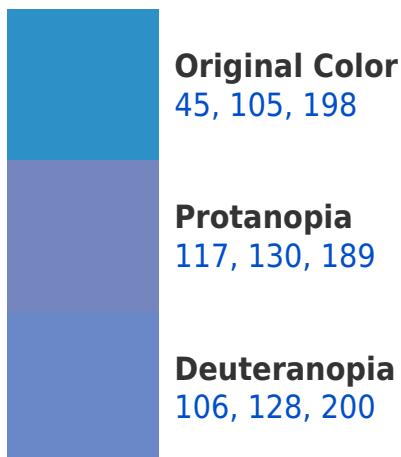


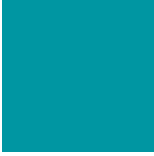
This preview shows how white text looks on a background with the RYB color 45, 105, 198.

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, 78, 162

Trichromacy



Original Color
45, 105, 198

Protanomaly
91, 123, 192

Deuteranomaly
84, 121, 199

Tritanomaly
16, 88, 175

Monochromacy



Original Color
45, 105, 198

Achromatopsia
120, 120, 120

Achromatomaly
93, 115, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 105, 198 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, 144, 198)` looks like.

```
.text, #text, p{  
    color:rgb(45, 144, 198)  
}
```

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, 144, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 144, 198) }
```

Border

The CSS property to change the border of an element to RYB 45, 105, 198 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, 144, 198) }
```

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

```
.border{ border-color:rgb(45, 144, 198) }
```

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

Here you see how a box with a 4 pixel rgb(45, 144, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 144, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 144, 198);  
box-shadow:4px 4px 4px 4px rgb(45, 144,  
198) }
```

Background

The CSS property to change the background color of an element to RYB 45, 105, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 144, 198) }
```

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

```
.background{ background-color: rgb(45, 144,  
198) }
```

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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