

Converting Colors

`RYB(45, 93, 237)`

Have a look what the booklet for
RYB(45, 93, 237) contains.

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Color

R_YB(45, 93, 237)

Conversions

Conversions Part 1

Format	Color
Hex	2D6DED
RGB	45, 109, 237
RGB Percent	18%, 43%, 93%
CMY	0.8235, 0.5725, 0.0706
CMYK	0.81, 0.54, 0.00, 0.07
HSL	220°, 84%, 55%
HSV	220°, 81%, 93%
XYZ	21.8369, 17.6096, 82.3688
YIQ	104.4560, -79.2320, 26.2400

Conversions

Conversions Part 2

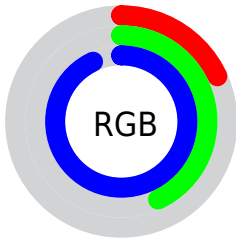
Format	Color
R_{YB}	45, 93, 237
Decimal	2977261
CIE _{Lab}	49.02, 25.98, -70.13
CIE _{LCh}	49, 74.790, 290.326
Yxy	17.6096, 0.1793, 0.1446
Android (android.graphics.Color)	4281167341 (0xFF2D6DED)
YUV	104.4560, 65.3442, -52.1429
Hunter-Lab	41.9638, 19.4503, -87.0030

Details

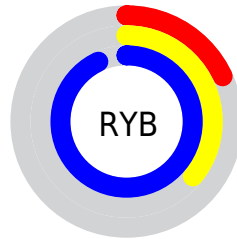
The RYB color **45, 93, 237** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **141, 237, 45**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **122, 152, 255**, and **0, 47, 180** is the 20% darker color. If you saturate the color by 10%, you get **21, 75, 237**, and if you desaturate by 10%, it is **69, 111, 237**.

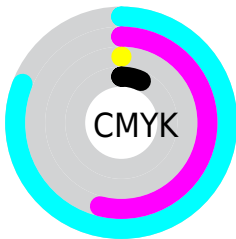
Distribution



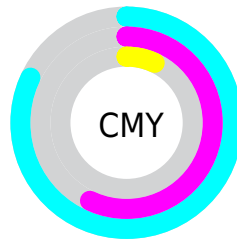
- Red (18%)
- Green (43%)
- Blue (93%)



- Red (18%)
- Yellow (36%)
- Blue (93%)



- Cyan (81%)
- Magenta (54%)
- Yellow (0%)
- Black (7%)



- Cyan (82%)
- Magenta (57%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 93, 237 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, 93, 237 by changing the saturation by 10% instead.



45, 93, 237



45, 93, 237

255, 255, 255



0, 60, 208



122, 152, 255



0, 47, 180



154, 179, 255



0, 33, 153



185, 206, 255



0, 20, 126



216, 232, 255



0, 0, 100



247, 251, 255



0, 8, 75



0, 4, 51



0, 2, 29



0, 0, 0

■ 45, 93, 237

■ 45, 93, 237

■ 21, 75, 237

■ 69, 111, 237

■ 0, 59, 237

■ 92, 129, 237

■ 116, 146, 237

■ 140, 164, 237

■ 163, 182, 237

■ 187, 200, 237

■ 211, 218, 237

■ 235, 235, 237

■ 242, 255, 237

Harmonies

Analogous

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



0, 85, 243



45, 93, 237



170, 74, 199

Triad

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



45, 93, 237



202, 110, 8



0, 86, 142

Complementary

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



45, 93, 237



141, 237, 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.



0, 120, 137



45, 93, 237



75, 158, 0

Square

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



45, 93, 237



224, 35, 77



0, 126, 25



0, 76, 159

Rectangle

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



45, 93, 237



206, 46, 161



0, 126, 25



0, 94, 141

Sweetspot

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



45, 93, 237



194, 209, 255



45, 160, 237



91, 100, 128



0, 0, 0



128, 128, 128

Same Dimension

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



45, 93, 237



8, 70, 255



77, 45, 237



106, 108, 117



0, 45, 181



0, 14, 54

Inverse Universe

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



237, 45, 109



255, 8, 90



45, 237, 77



117, 106, 109



181, 0, 60



54, 0, 18

Previews

White Background



This preview shows how the RYB color 45, 93, 237 looks on a white background.

Color Contrast Check

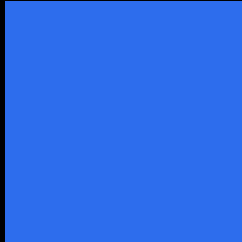
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

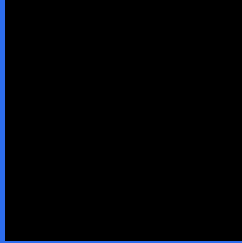
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

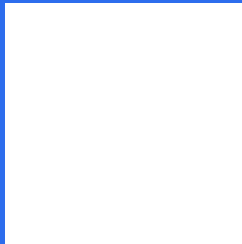
Any Text WCAG AAA × Fail

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

R Y B 45, 93, 237 Background



This preview shows how black text looks on a background with the R Y B color 45, 93, 237.

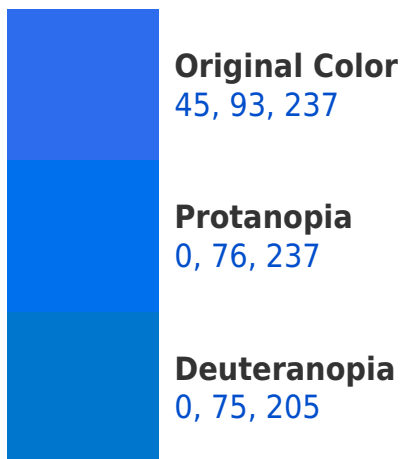


This preview shows how white text looks on a background with the R Y B color 45, 93, 237.

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](#).

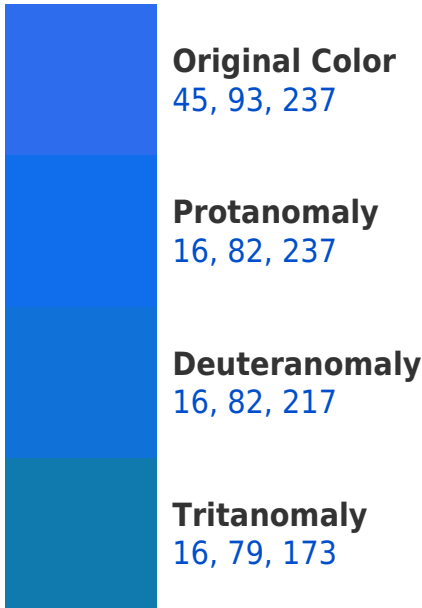
Dichromacy



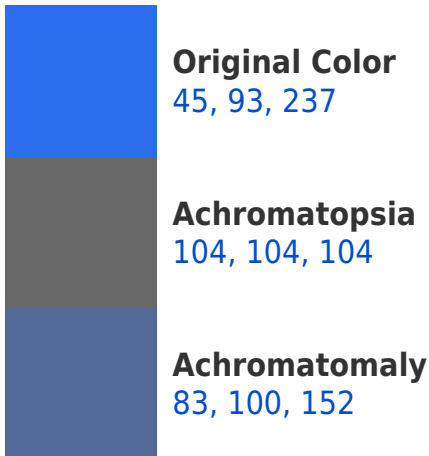


Tritanopia
0, 66, 137

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 93, 237 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, 109, 237)` looks like.

```
.text, #text, p{  
    color:rgb(45, 109, 237)  
}
```

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, 109, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 109, 237) }
```

Border

The CSS property to change the border of an element to RYB 45, 93, 237 is called "border". The border property can be set on classes, ids or directly on the HTML element.

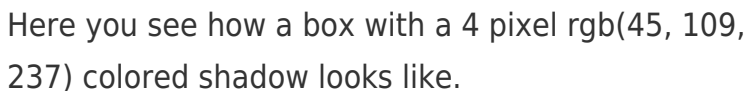
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(45, 109, 237) }
```

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

```
.border{ border-color:rgb(45, 109, 237) }
```

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



Here you see how a box with a 4 pixel `rgb(45, 109, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(45, 109, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(45, 109, 237); box-shadow:4px 4px 4px 4px rgb(45, 109, 237) }
```

Background

The CSS property to change the background color of an element to RYB 45, 93, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 109, 237) }
```

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

```
.background{ background-color: rgb(45, 109,  
237) }
```

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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