

Converting Colors

`RYB(90, 77, 255)`

Have a look what the booklet for
RYB(90, 77, 255) contains.

RYB(90, 77, 255)	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(90, 77, 255)

Conversions

Conversions Part 1

Format	Color
Hex	5A4DFF
RGB	90, 77, 255
RGB Percent	35%, 30%, 100%
CMY	0.6471, 0.6980, 0.0000
CMYK	0.65, 0.70, 0.00, 0.00
HSL	244°, 100%, 65%
HSV	244°, 70%, 100%
XYZ	24.9203, 14.7014, 96.1320
YIQ	101.1790, -49.3900, 58.1140

Conversions

Conversions Part 2

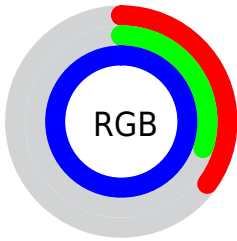
Format	Color
R _Y B	90, 77, 255
Decimal	5918207
CIE Lab	45.22, 56.13, -86.31
CIE LCh	45, 102.956, 303.036
Yxy	14.7014, 0.1836, 0.1083
Android (android.graphics.Color)	4284108287 (0xFF5A4DFF)
YUV	101.1790, 75.8338, -9.8040
Hunter-Lab	38.3424, 48.9153, -121.8119

Details

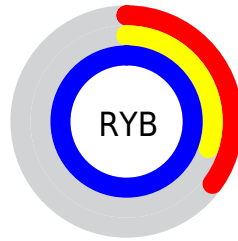
The RYB color **90, 77, 255** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed blue. A complement of this color would be **77, 255, 90**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **157, 128, 255**, and **0, 25, 197** is the 20% darker color. If you saturate the color by 10%, you get **66, 52, 255**, and if you desaturate by 10%, it is **114, 103, 255**.

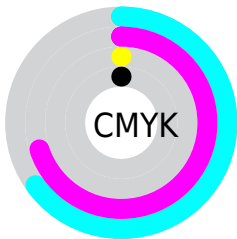
Distribution



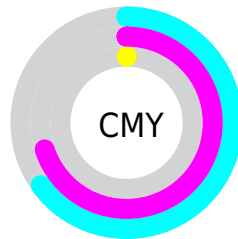
- Red (35%)
- Green (30%)
- Blue (100%)



- Red (35%)
- Yellow (30%)
- Blue (100%)



- Cyan (65%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 77, 255 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 90, 77, 255 by changing the saturation by 10% instead.

 90, 77, 255

 90, 77, 255


255, 255, 255


 48, 53, 226


 157, 128, 255

 0, 25, 197


 189, 155, 255

 0, 3, 169


 220, 182, 255

 0, 0, 141

 252, 210, 255

 0, 0, 115

 255, 238, 255

 0, 11, 89

 0, 6, 64

 0, 3, 41

 0, 1, 19

■ 90, 77, 255

■ 90, 77, 255

■ 66, 52, 255

■ 114, 103, 255

■ 43, 26, 255

■ 137, 128, 255

■ 19, 1, 255

■ 161, 154, 255

■ 19, 0, 255

■ 185, 179, 255

■ 208, 205, 255

■ 232, 230, 255

255, 255, 255

Harmonies

Analogous

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



0, 81, 255



90, 77, 255



210, 0, 187

Triad

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



90, 77, 255



190, 101, 0



0, 76, 138

Complementary

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



90, 77, 255



77, 255, 90

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, 129, 134



90, 77, 255



17, 123, 0

Square

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



90, 77, 255



234, 0, 17



0, 126, 126



0, 82, 200

Rectangle

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



90, 77, 255



240, 0, 131



0, 126, 126



0, 85, 137

Sweetspot

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



90, 77, 255



205, 201, 255



77, 163, 255



98, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



90, 77, 255



56, 41, 255



178, 77, 255



116, 115, 128



14, 0, 191



5, 0, 64

Inverse Universe

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



255, 77, 242



255, 41, 239



77, 255, 178



128, 115, 127



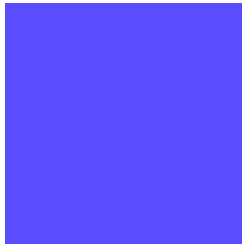
191, 0, 177



64, 0, 59

Previews

White Background



This preview shows how the RYB color 90, 77, 255 looks on a white background.

Color Contrast Check

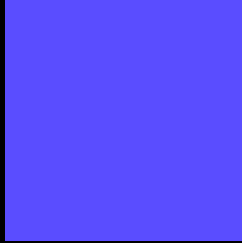
Large Text (above 18pt) WCAG AA ✓ Pass

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 90, 77, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

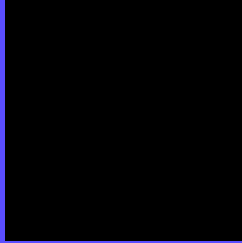
Any Text WCAG AA × Fail

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](#).

R Y B 90, 77, 255 Background



This preview shows how black text looks on a background with the R Y B color 90, 77, 255.

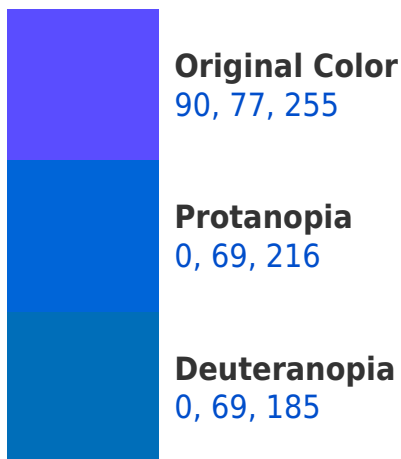


This preview shows how white text looks on a background with the R Y B color 90, 77, 255.

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, 61, 127

Trichromacy



Original Color

90, 77, 255

Protanomaly

33, 79, 230

Deuteranomaly

33, 80, 210

Tritanomaly

33, 80, 174

Monochromacy



Original Color

90, 77, 255

Achromatopsia

101, 101, 101

Achromatomaly

97, 92, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 77, 255 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(90, 77, 255)` looks like.

```
.text, #text, p{  
  color:rgb(90, 77, 255)  
}
```

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(90, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 77, 255) }
```

Border

The CSS property to change the border of an element to RYB 90, 77, 255 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(90, 77, 255) }
```

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

```
.border{ border-color:rgb(90, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 77,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 90, 77, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 77, 255) }
```

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

```
.background{ background-color: rgb(90, 77,  
255) }
```

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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