

Converting Colors

`RYB(66, 13, 252)`

Have a look what the booklet for
RYB(66, 13, 252) contains.

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Color

R_YB(66, 13, 252)

Conversions

Conversions Part 1

Format	Color
Hex	420DFC
RGB	66, 13, 252
RGB Percent	26%, 5%, 99%
CMY	0.7412, 0.9490, 0.0118
CMYK	0.74, 0.95, 0.00, 0.01
HSL	253°, 98%, 52%
HSV	253°, 95%, 99%
XYZ	19.9614, 8.4744, 92.6791
YIQ	56.0930, -45.1310, 85.5650

Conversions

Conversions Part 2

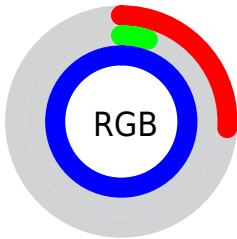
Format	Color
RYB	66, 13, 252
Decimal	4328956
CIELab	34.95, 77.58, -101.69
CIElCh	35, 127.909, 307.341
Yxy	8.4744, 0.1648, 0.0700
Android (android.graphics.Color)	4282519036 (0xFF420DFC)
YUV	56.0930, 96.5822, 8.6884
Hunter-Lab	29.1108, 71.4543, -168.3822

Details

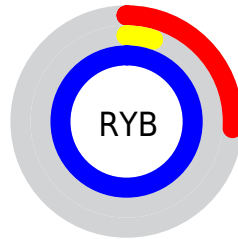
The RYB color **66, 13, 252** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **13, 252, 66**, and the grayscale version is **55, 55, 55**.

A 20% lighter version of the original color is **143, 79, 255**, and **0, 0, 194** is the 20% darker color. If you saturate the color by 10%, you get **56, 0, 252**, and if you desaturate by 10%, it is **86, 38, 252**.

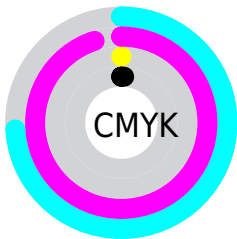
Distribution



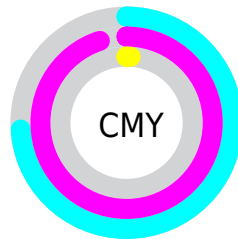
- Red (26%)
- Green (5%)
- Blue (99%)



- Red (26%)
- Yellow (5%)
- Blue (99%)



- Cyan (74%)
- Magenta (95%)
- Yellow (0%)
- Black (1%)



- Cyan (74%)
- Magenta (95%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 66, 13, 252 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 66, 13, 252 by changing the saturation by 10% instead.



66, 13, 252



66, 13, 252

255, 255, 255



0, 0, 222



143, 79, 255



0, 0, 194



176, 106, 255



0, 0, 165



209, 134, 255



0, 0, 138



242, 162, 255



0, 10, 111



255, 191, 255



0, 11, 85



255, 220, 255



0, 5, 61



255, 249, 255



0, 3, 38



0, 1, 16

■ 66, 13, 252

■ 66, 13, 252

■ 56, 0, 252

■ 86, 38, 252

■ 105, 63, 252

■ 125, 89, 252

■ 144, 114, 252

■ 164, 139, 252

■ 184, 164, 252

■ 203, 189, 252

■ 223, 215, 252

■ 243, 240, 252

Harmonies

Analogous

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



0, 70, 255



66, 13, 252



210, 0, 164

Triad

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



66, 13, 252



159, 43, 0



0, 57, 111

Complementary

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



66, 13, 252



13, 252, 66

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, 109, 109



66, 13, 252



0, 88, 10

Square

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



66, 13, 252



216, 0, 0



0, 104, 104



0, 74, 209

Rectangle

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



66, 13, 252



237, 0, 97



0, 104, 104



0, 67, 110

Sweetspot

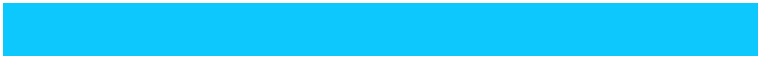
The Sweet Spot groups the original color and five complimentary colors.



66, 13, 252



199, 184, 255



13, 118, 252



94, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



66, 13, 252



57, 0, 255



184, 13, 252



115, 112, 125



42, 0, 189



14, 0, 61

Inverse Universe

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



252, 13, 199



255, 0, 198



13, 252, 184



125, 112, 122



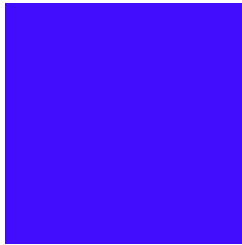
189, 0, 147



61, 0, 48

Previews

White Background



This preview shows how the RYB color 66, 13, 252 looks on a white background.

Color Contrast Check

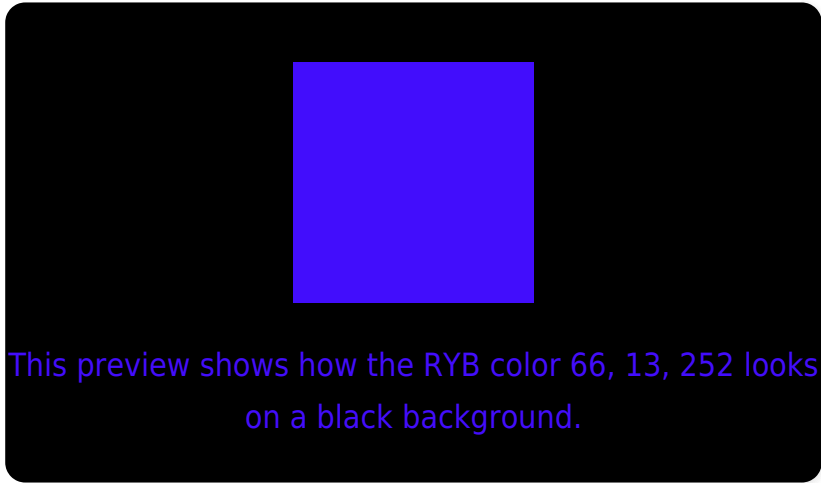
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

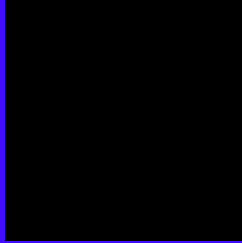
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 66, 13, 252 Background



This preview shows how black text looks on a background with the RGB color 66, 13, 252.



This preview shows how white text looks on a background with the RGB color 66, 13, 252.

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


66, 13, 252

Protanopia

0, 54, 166

Deuteranopia

0, 53, 141



Tritanopia
0, 47, 96

Trichromacy



Original Color

66, 13, 252

Protanomaly

24, 50, 197

Deuteranomaly

24, 53, 181

Tritanomaly

24, 54, 153

Monochromacy



Original Color

66, 13, 252

Achromatopsia

56, 56, 56

Achromatomaly

60, 40, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 13, 252 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(66, 13, 252)` looks like.

```
.text, #text, p{  
    color:rgb(66, 13, 252)  
}
```

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(66, 13, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 13, 252) }
```

Border

The CSS property to change the border of an element to RYB 66, 13, 252 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(66, 13, 252) }
```

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

```
.border{ border-color:rgb(66, 13, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 13, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 13, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 13, 252);  
box-shadow:4px 4px 4px 4px rgb(66, 13,  
252) }
```

Background

The CSS property to change the background color of an element to RYB 66, 13, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 13, 252) }
```

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

```
.background{ background-color: rgb(66, 13,  
252) }
```

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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