

Converting Colors

`RYB(96, 18, 227)`

Have a look what the booklet for
RYB(96, 18, 227) contains.

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Color

R_YB(96, 18, 227)

Conversions

Conversions Part 1

Format	Color
Hex	6012E3
RGB	96, 18, 227
RGB Percent	38%, 7%, 89%
CMY	0.6235, 0.9294, 0.1098
CMYK	0.58, 0.92, 0.00, 0.11
HSL	262°, 85%, 48%
HSV	262°, 92%, 89%
XYZ	18.9053, 8.4655, 73.3106
YIQ	65.1480, -20.6010, 81.5350

Conversions

Conversions Part 2

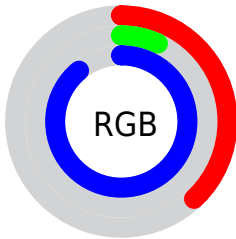
Format	Color
RYB	96, 18, 227
Decimal	6296291
CIELab	34.93, 72.32, -87.48
CIElCh	35, 113.502, 309.583
Yxy	8.4655, 0.1878, 0.0841
Android (android.graphics.Color)	4284486371 (0xFF6012E3)
YUV	65.1480, 79.7930, 27.0572
Hunter-Lab	29.0955, 65.0665, -129.0237

Details

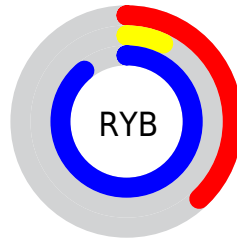
The RYB color **96, 18, 227** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **18, 227, 96**, and the grayscale version is **64, 64, 64**.

A 20% lighter version of the original color is **160, 81, 255**, and **0, 0, 170** is the 20% darker color. If you saturate the color by 10%, you get **85, 0, 227**, and if you desaturate by 10%, it is **110, 41, 227**.

Distribution



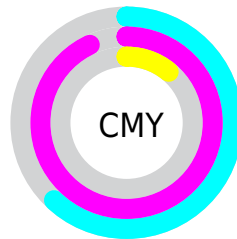
- Red (38%)
- Green (7%)
- Blue (89%)



- Red (38%)
- Yellow (7%)
- Blue (89%)



- Cyan (58%)
- Magenta (92%)
- Yellow (0%)
- Black (11%)



- Cyan (62%)
- Magenta (93%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 18, 227 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 96, 18, 227 by changing the saturation by 10% instead.



96, 18, 227



96, 18, 227

255, 255, 255



59, 0, 198



160, 81, 255



0, 0, 170



192, 109, 255



0, 0, 142



223, 137, 255



0, 0, 116



254, 165, 255



0, 6, 90



255, 193, 255



0, 6, 65



255, 222, 255



0, 3, 42



255, 252, 255



0, 1, 20



0, 0, 0

■ 96, 18, 227

■ 96, 18, 227

■ 85, 0, 227

■ 110, 41, 227

■ 124, 63, 227

■ 139, 86, 227

■ 153, 109, 227

■ 167, 132, 227

■ 181, 154, 227

■ 196, 177, 227

■ 210, 200, 227

■ 224, 222, 227

Harmonies

Analogous

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



0, 67, 255



96, 18, 227



201, 0, 148

Triad

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



96, 18, 227



149, 73, 0



0, 55, 111

Complementary

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



96, 18, 227



18, 227, 96

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, 108, 108



96, 18, 227



0, 89, 15

Square

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



96, 18, 227



201, 0, 0



0, 103, 103



0, 72, 200

Rectangle

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



96, 18, 227



222, 0, 88



0, 103, 103



0, 63, 109

Sweetspot

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



96, 18, 227



210, 184, 255



18, 99, 227



100, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 18, 227



95, 0, 255



199, 18, 227



108, 103, 115



67, 0, 179



19, 0, 51

Inverse Universe

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



227, 18, 149



255, 0, 160



18, 227, 199



115, 103, 110



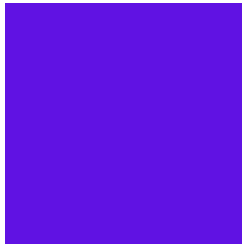
179, 0, 112



51, 0, 32

Previews

White Background



This preview shows how the RYB color 96, 18, 227 looks on a white background.

Color Contrast Check

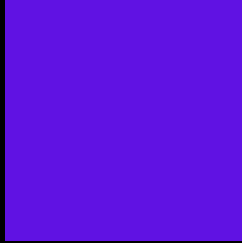
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 96, 18, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

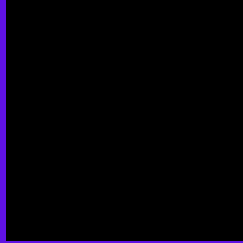
Any Text WCAG AA × Fail

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](#).

RYB 96, 18, 227 Background



This preview shows how black text looks on a background with the RYB color 96, 18, 227.



This preview shows how white text looks on a background with the RYB color 96, 18, 227.

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](#).

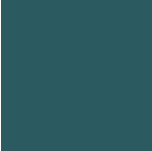
Dichromacy



Original Color
96, 18, 227

Protanopia
0, 54, 168

Deuteranopia
0, 53, 143



Tritanopia

43, 68, 97

Trichromacy



Original Color

96, 18, 227

Protanomaly

35, 54, 189

Deuteranomaly

35, 57, 174

Tritanomaly

62, 63, 144

Monochromacy



Original Color

96, 18, 227

Achromatopsia

65, 65, 65

Achromatomaly

76, 48, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 18, 227 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(96, 18, 227)` looks like.

```
.text, #text, p{  
    color:rgb(96, 18, 227)  
}
```

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(96, 18, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 18, 227) }
```

Border

The CSS property to change the border of an element to RYB 96, 18, 227 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(96, 18, 227) }
```

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

```
.border{ border-color:rgb(96, 18, 227) }
```

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

Here you see how a box with a 4 pixel rgb(96, 18, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 18, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 18, 227);  
box-shadow:4px 4px 4px 4px rgb(96, 18,  
227) }
```

Background

The CSS property to change the background color of an element to RYB 96, 18, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 18, 227) }
```

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

```
.background{ background-color: rgb(96, 18,  
227) }
```

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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