

Converting Colors

`RYB(113, 114, 227)`

Have a look what the booklet for
RYB(113, 114, 227) contains.

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Color

RVB(113, 114, 227)

Conversions

Conversions Part 1

Format	Color
Hex	7172E3
RGB	113, 114, 227
RGB Percent	44%, 45%, 89%
CMY	0.5569, 0.5529, 0.1098
CMYK	0.50, 0.50, 0.00, 0.11
HSL	239°, 67%, 67%
HSV	239°, 50%, 89%
XYZ	26.6935, 21.0934, 75.3376
YIQ	126.5830, -36.8690, 34.9310

Conversions

Conversions Part 2

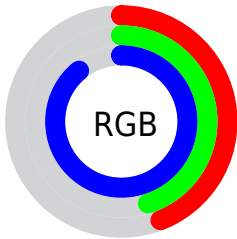
Format	Color
R _Y B	113, 114, 227
Decimal	7434979
CIE Lab	53.05, 29.80, -57.84
CIE LCh	53, 65.065, 297.258
Yxy	21.0934, 0.2168, 0.1713
Android (android.graphics.Color)	4285625059 (0xFF7172E3)
YUV	126.5830, 49.5056, -11.9123
Hunter-Lab	45.9275, 23.3726, -65.1075

Details

The RYB color **113, 114, 227** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **114, 227, 113**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **171, 166, 255**, and **51, 64, 171** is the 20% darker color. If you saturate the color by 10%, you get **90, 92, 227**, and if you desaturate by 10%, it is **136, 137, 227**.

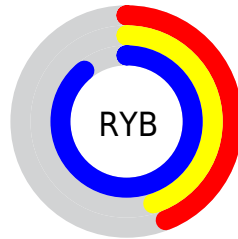
Distribution



Red (44%)

Green (45%)

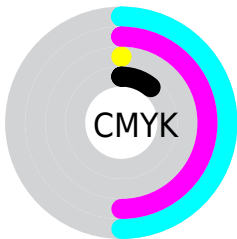
Blue (89%)



Red (44%)

Yellow (45%)

Blue (89%)

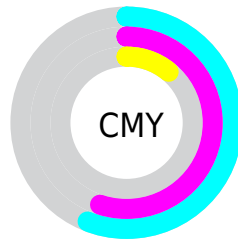


Cyan (50%)

Magenta (50%)

Yellow (0%)

Black (11%)



Cyan (56%)

Magenta (55%)

Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the RYB color 113, 114, 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 113, 114, 227 by changing the saturation by 10% instead.

 113, 114, 227


255, 255, 255

 171, 166, 255


 200, 193, 255

 230, 221, 255

 255, 249, 255

 113, 114, 227

 83, 90, 199

 51, 64, 171

 0, 34, 144

 0, 20, 117

 0, 1, 92

 0, 6, 68

 0, 3, 44

 0, 1, 23

 0, 0, 0

■ 113, 114, 227

■ 113, 114, 227

■ 90, 92, 227

■ 136, 137, 227

■ 68, 69, 227

■ 158, 159, 227

■ 45, 47, 227

■ 181, 182, 227

■ 22, 24, 227

■ 204, 204, 227

■ 0, 2, 227

■ 227, 227, 227

■ 227, 249, 227

■ 227, 255, 227

Harmonies

Analogous

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



0, 86, 239



113, 114, 227



188, 86, 188

Triad

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



113, 114, 227



198, 151, 27



0, 84, 151

Complementary

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



113, 114, 227



114, 227, 113

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, 103, 147



113, 114, 227



45, 157, 0

Square

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



113, 114, 227



223, 74, 79



0, 138, 36



0, 82, 177

Rectangle

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



113, 114, 227



214, 71, 153



0, 138, 36



0, 91, 151

Sweetspot

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



113, 114, 227



217, 217, 255



113, 171, 227



105, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



113, 114, 227



102, 103, 255



168, 113, 227



103, 103, 115



0, 2, 179



0, 0, 51

Inverse Universe

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



227, 113, 114



255, 102, 103



113, 227, 168



115, 103, 103



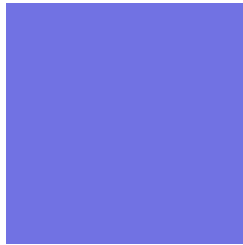
179, 0, 2



51, 0, 0

Previews

White Background



This preview shows how the RYB color 113, 114, 227 looks on a white background.

Color Contrast Check

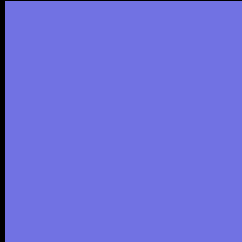
Large Text (above 18pt) WCAG AA ✓ Pass

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 113, 114, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

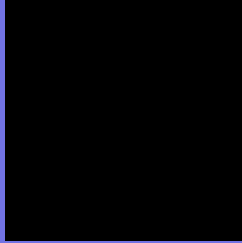
Any Text WCAG AA ✓ Pass

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](#).

RYP 113, 114, 227 Background



This preview shows how black text looks on a background with the RYB color 113, 114, 227.

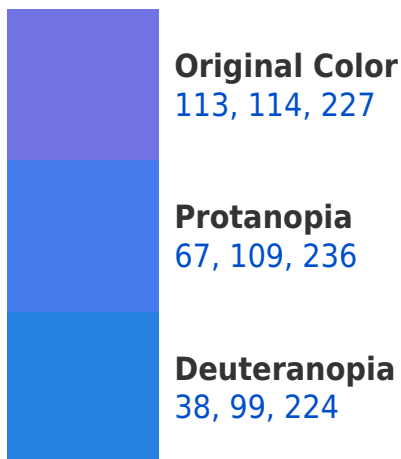



This preview shows how white text looks on a background with the RYB color 113, 114, 227.

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





Tritanopia

88, 113, 145

Trichromacy



Original Color
113, 114, 227

Protanomaly
84, 113, 233

Deuteranomaly
65, 108, 225

Tritanomaly
97, 119, 175

Monochromacy



Original Color
113, 114, 227

Achromatopsia
127, 127, 127

Achromatomaly
122, 122, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 114, 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(113, 114, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 114, 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(113, 114, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 114, 227) }
```

Border

The CSS property to change the border of an element to RYB 113, 114, 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(113, 114, 227) }
```

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

```
.border{ border-color:rgb(113, 114, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 114, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 114, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 114, 227);  
box-shadow:4px 4px 4px 4px rgb(113, 114,  
227) }
```

Background

The CSS property to change the background color of an element to RGB 113, 114, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 114, 227) }
```

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

```
.background{ background-color: rgb(113,  
114, 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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