

Converting Colors

`RYB(114, 142, 226)`

Have a look what the booklet for
RYB(114, 142, 226) contains.

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Color

R_YB(114, 142, 226)

Conversions

Conversions Part 1

Format	Color
Hex	7297E2
RGB	114, 151, 226
RGB Percent	45%, 59%, 89%
CMY	0.5529, 0.4065, 0.1137
CMYK	0.50, 0.33, 0.00, 0.11
HSL	220°, 66%, 67%
HSV	220°, 50%, 89%
XYZ	31.7872, 31.3091, 76.3194
YIQ	148.4870, -46.1270, 15.4810

Conversions

Conversions Part 2

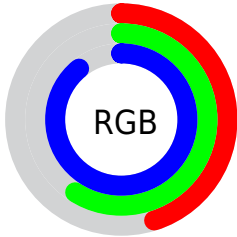
Format	Color
RYB	114, 142, 226
Decimal	7509986
CIELab	62.77, 7.55, -41.85
CIELCh	63, 42.528, 280.222
Yxy	31.3091, 0.2280, 0.2246
Android (android.graphics.Color)	4285700066 (0xFF7297E2)
YUV	148.4870, 38.2139, -30.2451
Hunter-Lab	55.9545, 3.4838, -41.7007

Details

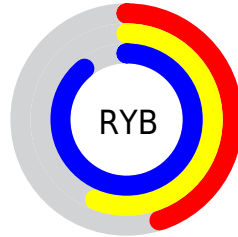
The RYB color **114, 142, 226** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **169, 226, 114**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **171, 195, 255**, and **55, 88, 170** is the 20% darker color. If you saturate the color by 10%, you get **91, 125, 226**, and if you desaturate by 10%, it is **137, 159, 226**.

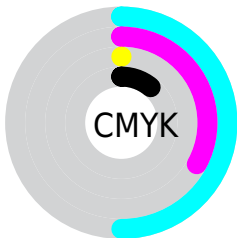
Distribution



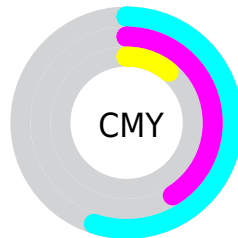
- Red (45%)
- Green (59%)
- Blue (89%)



- Red (45%)
- Yellow (56%)
- Blue (89%)



- Cyan (50%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)




- Cyan (55%)
- Magenta (41%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the RYB color 114, 142, 226 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 114, 142, 226 by changing the saturation by 10% instead.

 114, 142, 226


255, 255, 255

 171, 195, 255

 200, 221, 255

 229, 242, 255

 114, 142, 226

 85, 115, 198

 55, 88, 170

 15, 57, 143

 0, 37, 117

 0, 25, 92

 0, 9, 68

 0, 3, 45

 0, 1, 24

 0, 0, 0

■ 114, 142, 226

■ 114, 142, 226

■ 91, 125, 226

■ 137, 159, 226

■ 69, 108, 226

■ 159, 176, 226

■ 46, 91, 226

■ 182, 193, 226

■ 24, 74, 226

■ 204, 210, 226

■ 1, 57, 226

■ 226, 227, 226

■ 0, 56, 226

■ 238, 250, 226

■ 226, 255, 226

Harmonies

Analogous

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



0, 94, 222



114, 142, 226



172, 137, 210

Triad

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



114, 142, 226



218, 134, 105



69, 134, 170

Complementary

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



114, 142, 226



169, 226, 114

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.



92, 164, 135



114, 142, 226



186, 196, 81

Square

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



114, 142, 226



224, 121, 140



85, 163, 75



0, 87, 171

Rectangle

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



114, 142, 226



199, 128, 190



85, 163, 75



89, 150, 168

Sweetspot

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



114, 142, 226



217, 226, 255



114, 181, 226



105, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



114, 142, 226



105, 143, 255



133, 114, 226



101, 104, 112



0, 44, 176



0, 12, 48

Inverse Universe

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



226, 114, 151



255, 105, 155



114, 226, 133



112, 101, 105



176, 0, 59



48, 0, 16

Previews

White Background



This preview shows how the RYB color 114, 142, 226 looks on a white background.

Color Contrast Check

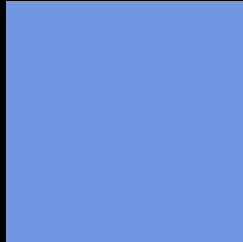
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 114, 142, 226 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 ✓ Pass

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

RYB 114, 142, 226 Background



This preview shows how black text looks on a background with the RYB color 114, 142, 226.



This preview shows how white text looks on a background with the RYB color 114, 142, 226.

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
114, 142, 226

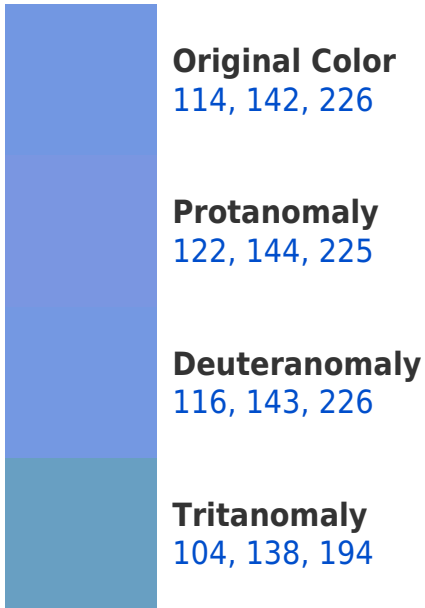
Protanopia
126, 145, 224

Deuteranopia
117, 143, 226

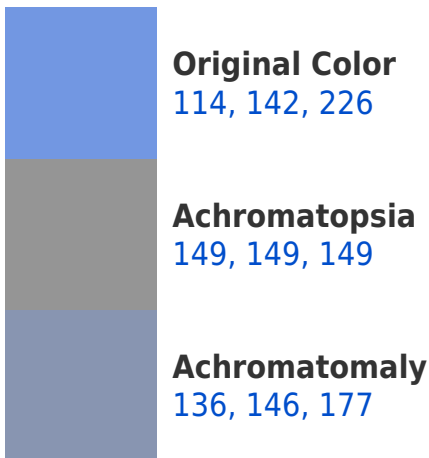


Tritanopia
98, 133, 175

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 114, 142, 226 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(114, 151, 226)` looks like.

```
.text, #text, p{  
    color:rgb(114, 151, 226)  
}
```

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(114, 151, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 151, 226) }
```

Border

The CSS property to change the border of an element to RYB 114, 142, 226 is called "border". The border property can be set on classes, ids or directly on the HTML element.

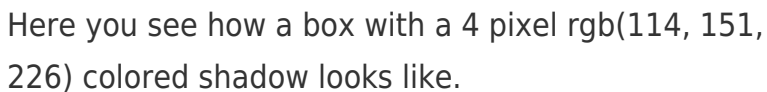
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 151, 226) }
```

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

```
.border{ border-color:rgb(114, 151, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 151, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 151, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 151, 226);  
box-shadow:4px 4px 4px 4px rgb(114, 151,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 114, 142, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 151, 226) }
```

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

```
.background{ background-color: rgb(114,  
151, 226) }
```

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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