

Converting Colors

`RYB(112, 140, 236)`

Have a look what the booklet for
RYB(112, 140, 236) contains.

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Color

`RYB(112, 140, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	7094EC
RGB	112, 148, 236
RGB Percent	44%, 58%, 93%
CMY	0.5608, 0.4190, 0.0745
CMYK	0.53, 0.37, 0.00, 0.07
HSL	222°, 77%, 68%
HSV	222°, 53%, 93%
XYZ	32.4385, 30.7330, 83.5793
YIQ	147.2680, -49.7040, 19.7360

Conversions

Conversions Part 2

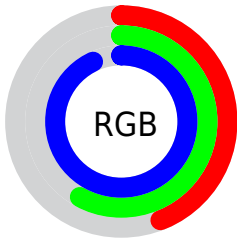
Format	Color
RYB	112, 140, 236
Decimal	7378156
CIELab	62.28, 12.00, -48.15
CIElCh	62, 49.626, 283.989
Yxy	30.7330, 0.2210, 0.2094
Android (android.graphics.Color)	4285568236 (0xFF7094EC)
YUV	147.2680, 43.7449, -30.9300
Hunter-Lab	55.4374, 7.4317, -50.5815

Details

The RYB color **112, 140, 236** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **163, 236, 112**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **170, 193, 255**, and **50, 85, 180** is the 20% darker color. If you saturate the color by 10%, you get **88, 121, 236**, and if you desaturate by 10%, it is **136, 158, 236**.

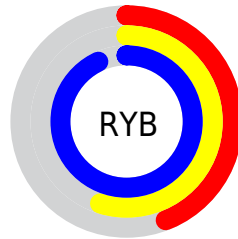
Distribution



Red (44%)

Green (58%)

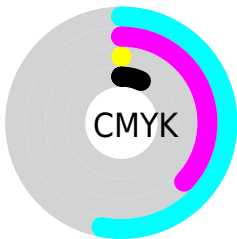
Blue (93%)



Red (44%)

Yellow (55%)

Blue (93%)

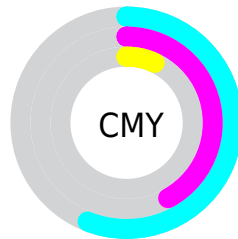


Cyan (53%)

Magenta (37%)

Yellow (0%)

Black (7%)



Cyan (56%)


Magenta (42%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 140, 236 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 112, 140, 236 by changing the saturation by 10% instead.


 112, 140, 236


255, 255, 255


 170, 193, 255

 199, 219, 255

 229, 242, 255

 112, 140, 236

 82, 113, 207

 50, 85, 180

 0, 50, 152

 0, 37, 126

 0, 24, 101

 0, 7, 76

 0, 5, 53

 0, 2, 30

 0, 0, 1

■ 112, 140, 236

■ 112, 140, 236

■ 88, 121, 236

■ 136, 158, 236

■ 65, 104, 236

■ 159, 177, 236

■ 41, 85, 236

■ 183, 195, 236

■ 18, 67, 236

■ 206, 213, 236

■ 0, 53, 236

■ 230, 232, 236

■ 245, 254, 236

■ 236, 255, 236

Harmonies

Analogous

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



0, 96, 235



112, 140, 236



180, 131, 214

Triad

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



112, 140, 236



223, 133, 91



17, 108, 171

Complementary

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



112, 140, 236



163, 236, 112

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.



85, 165, 143



112, 140, 236



161, 196, 64

Square

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



112, 140, 236



233, 113, 132



62, 156, 61



0, 87, 173

Rectangle

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



112, 140, 236



209, 120, 190



62, 156, 61



62, 137, 170

Sweetspot

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



112, 140, 236



214, 223, 255



112, 185, 236



103, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



112, 140, 236



94, 130, 255



137, 112, 236



106, 108, 117



0, 41, 181



0, 12, 54

Inverse Universe

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



236, 112, 148



255, 94, 141



112, 236, 137



117, 106, 109



181, 0, 53



54, 0, 16

Previews

White Background



This preview shows how the RYB color 112, 140, 236 looks on a white background.

Color Contrast Check

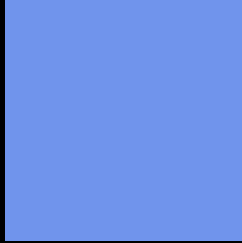
Large Text (above 18pt) WCAG AA × Fail

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 112, 140, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

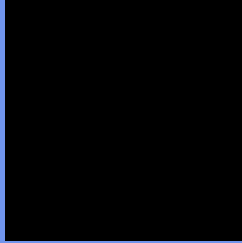
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

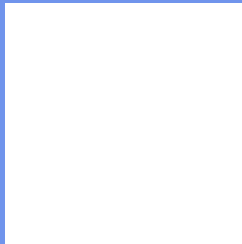
Any Text WCAG AAA ✓ Pass

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

RYB 112, 140, 236 Background



This preview shows how black text looks on a background with the RYB color 112, 140, 236.

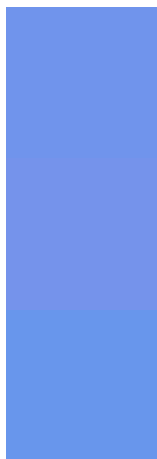


This preview shows how white text looks on a background with the RYB color 112, 140, 236.

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

112, 140, 236

Protanopia

117, 141, 235

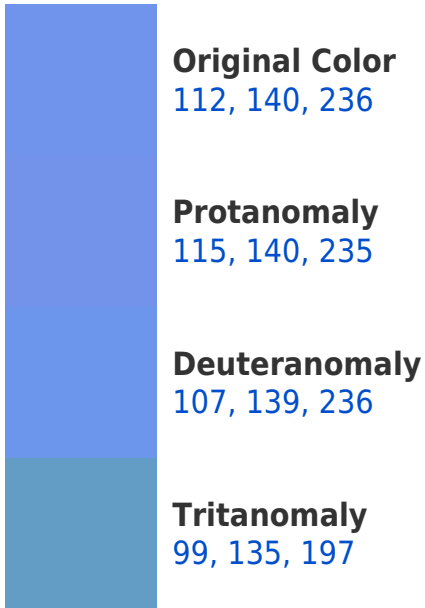
Deuteranopia

104, 138, 236

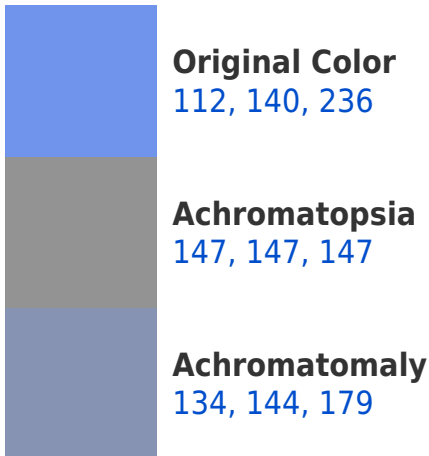


Tritanopia
91, 129, 174

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 140, 236 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(112, 148, 236)` looks like.

```
.text, #text, p{  
    color:rgb(112, 148, 236)  
}
```

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(112, 148, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 148, 236) }
```

Border

The CSS property to change the border of an element to RYB 112, 140, 236 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(112, 148, 236) }
```

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

```
.border{ border-color:rgb(112, 148, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 148, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 148, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 148, 236);  
box-shadow:4px 4px 4px 4px rgb(112, 148,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 112, 140, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 148, 236) }
```

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

```
.background{ background-color: rgb(112,  
148, 236) }
```

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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