

Converting Colors

`RYB(114, 146, 215)`

Have a look what the booklet for
RYB(114, 146, 215) contains.

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Color

R_YB(114, 146, 215)

Conversions

Conversions Part 1

Format	Color
Hex	72A1D7
RGB	114, 161, 215
RGB Percent	45%, 63%, 84%
CMY	0.5529, 0.3693, 0.1569
CMYK	0.47, 0.25, 0.00, 0.16
HSL	212°, 56%, 65%
HSV	212°, 47%, 84%
XYZ	31.9222, 33.9178, 69.1543
YIQ	153.1030, -45.3460, 6.8300

Conversions

Conversions Part 2

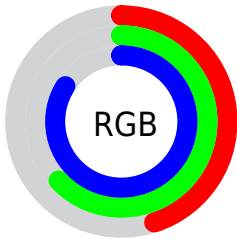
Format	Color
RYB	114, 146, 215
Decimal	7512535
CIELab	64.90, -1.14, -32.44
CIELCh	65, 32.458, 267.984
Yxy	33.9178, 0.2365, 0.2513
Android (android.graphics.Color)	4285702615 (0xFF72A1D7)
YUV	153.1030, 30.5152, -34.2933
Hunter-Lab	58.2390, -4.0779, -29.6351

Details

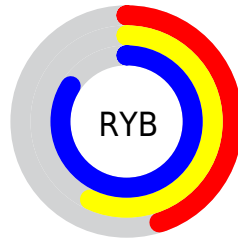
The RYB color **114, 146, 215** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **202, 215, 114**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **170, 200, 255**, and **57, 92, 160** is the 20% darker color. If you saturate the color by 10%, you get **93, 131, 215**, and if you desaturate by 10%, it is **136, 161, 215**.

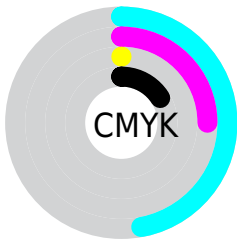
Distribution



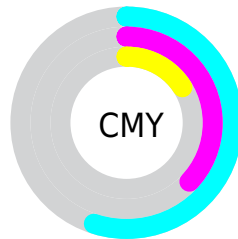
- Red (45%)
- Green (63%)
- Blue (84%)



- Red (45%)
- Yellow (57%)
- Blue (84%)



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)



- Cyan (55%)
- Magenta (37%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 114, 146, 215 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, 146, 215 by changing the saturation by 10% instead.

 114, 146, 215


255, 255, 255

 170, 199, 255

 199, 224, 255

 228, 242, 255

 114, 146, 215


 86, 119, 187

 57, 92, 160

 23, 63, 134

 0, 39, 108


 0, 28, 84


 0, 16, 60


 0, 3, 38


 0, 1, 15


 0, 0, 0

 114, 146, 215


 114, 146, 215

 93, 131, 215

 136, 161, 215

 71, 117, 215

 157, 175, 215

 49, 102, 215


 179, 190, 215

 28, 87, 215

 200, 205, 215

 6, 72, 215

 222, 220, 215

 0, 68, 215

 239, 243, 215

 234, 255, 215

 217, 255, 215

 215, 255, 215

Harmonies

Analogous

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



69, 127, 206



114, 146, 215



158, 151, 209

Triad

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



114, 146, 215



214, 137, 132



115, 161, 170

Complementary

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



114, 146, 215



202, 215, 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.



105, 164, 120



114, 146, 215



202, 168, 109

Square

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



114, 146, 215



211, 135, 161



133, 179, 99



79, 131, 173

Rectangle

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



114, 146, 215



183, 144, 197



133, 179, 99



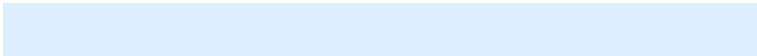
118, 168, 160

Sweetspot

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



114, 146, 215



219, 231, 255



114, 180, 215



106, 113, 128



0, 0, 0



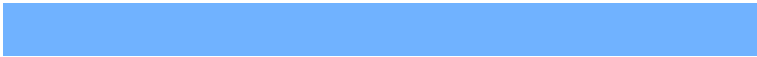
128, 128, 128

Same Dimension

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



114, 146, 215



112, 157, 255



117, 114, 215



96, 99, 107



0, 54, 171



0, 14, 43

Inverse Universe

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



215, 114, 161



255, 112, 178



114, 215, 117



107, 96, 101



171, 0, 79



43, 0, 20

Previews

White Background



This preview shows how the RYB color 114, 146, 215 looks on a white background.

Color Contrast Check

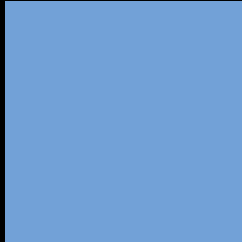
Large Text (above 18pt) WCAG AA × Fail

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, 146, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

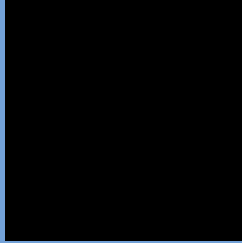
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

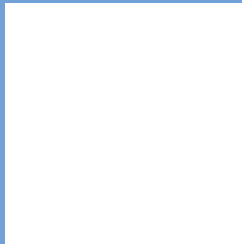
Any Text WCAG AAA ✓ Pass

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

RYB 114, 146, 215 Background



This preview shows how black text looks on a background with the RYB color 114, 146, 215.

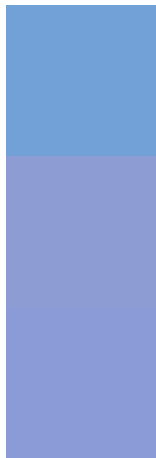


This preview shows how white text looks on a background with the RYB color 114, 146, 215.

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, 146, 215

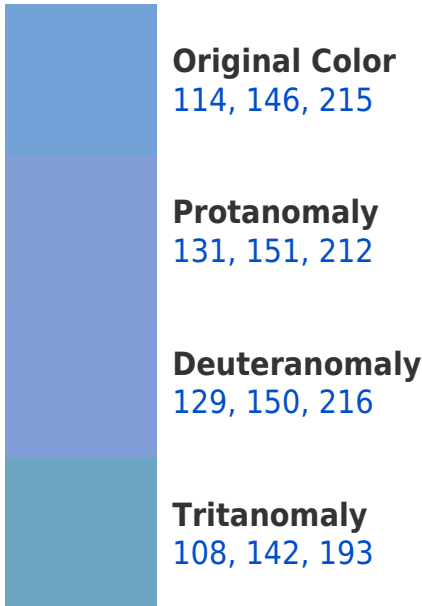
Protanopia
141, 153, 210

Deuteranopia
138, 152, 216

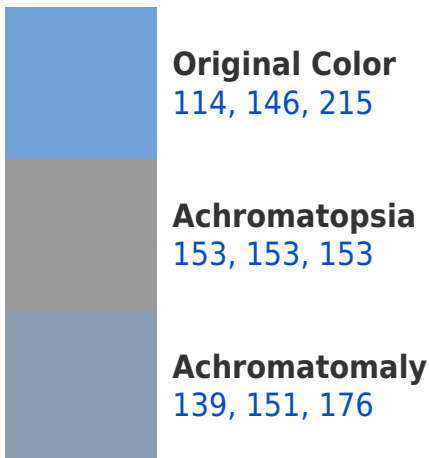


Tritanopia
104, 139, 181

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 114, 146, 215 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, 161, 215)` looks like.

```
.text, #text, p{  
    color:rgb(114, 161, 215)  
}
```

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, 161, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 161, 215) }
```

Border

The CSS property to change the border of an element to RYB 114, 146, 215 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, 161, 215) }
```

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

```
.border{ border-color:rgb(114, 161, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 161, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 161, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 161, 215);  
box-shadow:4px 4px 4px 4px rgb(114, 161,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 114, 146, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 161, 215) }
```

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

```
.background{ background-color: rgb(114,  
161, 215) }
```

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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