

Converting Colors

`RYB(74, 100, 227)`

Have a look what the booklet for
RYB(74, 100, 227) contains.

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Color

R_YB(74, 100, 227)

Conversions

Conversions Part 1

Format	Color
Hex	4A69E3
RGB	74, 105, 227
RGB Percent	29%, 41%, 89%
CMY	0.7098, 0.5870, 0.1098
CMYK	0.67, 0.54, 0.00, 0.11
HSL	228°, 73%, 59%
HSV	228°, 67%, 89%
XYZ	21.7737, 17.1709, 74.8398
YIQ	109.6390, -57.6380, 31.3700

Conversions

Conversions Part 2

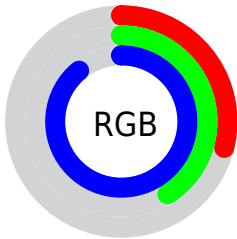
Format	Color
R_{YB}	74, 100, 227
Decimal	4876771
CIE _{Lab}	48.47, 28.03, -65.34
CIE _{LCh}	48, 71.099, 293.219
Yxy	17.1709, 0.1914, 0.1509
Android (android.graphics.Color)	4283066851 (0xFF4A69E3)
YUV	109.6390, 57.8590, -31.2554
Hunter-Lab	41.4378, 21.2774, -78.0756

Details

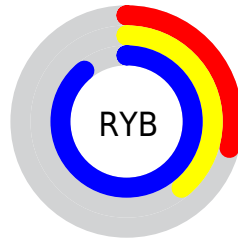
The RYB color **74, 100, 227** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **113, 227, 74**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **138, 154, 255**, and **0, 44, 171** is the 20% darker color. If you saturate the color by 10%, you get **51, 81, 227**, and if you desaturate by 10%, it is **97, 119, 227**.

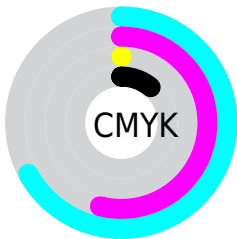
Distribution



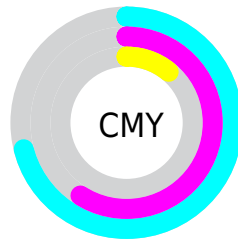
- Red (29%)
- Green (41%)
- Blue (89%)



- Red (29%)
- Yellow (39%)
- Blue (89%)



- Cyan (67%)
- Magenta (54%)
- Yellow (0%)
- Black (11%)





- Cyan (71%)
- Magenta (59%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 74, 100, 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 74, 100, 227 by changing the saturation by 10% instead.

 74, 100, 227

 74, 100, 227

255, 255, 255

 32, 70, 198


 138, 154, 255

 0, 44, 171

 169, 181, 255

 0, 30, 143

 199, 208, 255

 0, 17, 117

 229, 236, 255

 0, 0, 92

 0, 6, 67

 0, 3, 44

 0, 1, 22

 0, 0, 0

■ 74, 100, 227

■ 74, 100, 227

■ 51, 81, 227

■ 97, 119, 227

■ 29, 62, 227

■ 119, 137, 227

■ 6, 43, 227

■ 142, 156, 227

■ 0, 38, 227

■ 165, 176, 227

■ 188, 195, 227

■ 210, 213, 227

■ 228, 233, 227

■ 233, 255, 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, 83, 236



74, 100, 227



172, 73, 188

Triad

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



74, 100, 227



193, 128, 6



0, 82, 140

Complementary

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



74, 100, 227



113, 227, 74

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, 109, 136



74, 100, 227



60, 151, 0

Square

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



74, 100, 227



217, 46, 72



0, 126, 31



0, 75, 161

Rectangle

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



74, 100, 227



204, 48, 151



0, 126, 31



0, 89, 139

Sweetspot

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



74, 100, 227



204, 212, 255



74, 160, 227



97, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



74, 100, 227



48, 84, 255



117, 74, 227



103, 105, 115



0, 31, 179



0, 8, 51

Inverse Universe

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



227, 74, 105



255, 48, 91



74, 227, 117



115, 103, 106



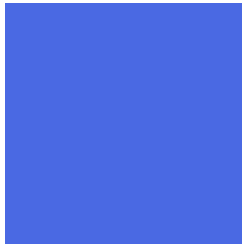
179, 0, 37



51, 0, 10

Previews

White Background



This preview shows how the RYB color 74, 100, 227 looks on a white background.

Color Contrast Check

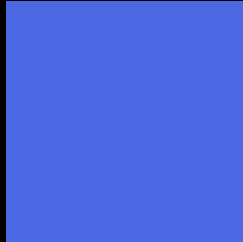
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 74, 100, 227 looks on a black 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

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

RYB 74, 100, 227 Background



This preview shows how black text looks on a background with the RYB color 74, 100, 227.

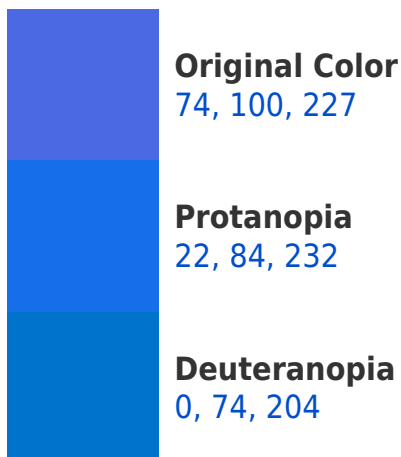


This preview shows how white text looks on a background with the RYB color 74, 100, 227.

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
0, 66, 137

Trichromacy



Original Color

74, 100, 227

Protanomaly

41, 90, 230

Deuteranomaly

27, 86, 212

Tritanomaly

27, 83, 170

Monochromacy



Original Color

74, 100, 227

Achromatopsia

110, 110, 110

Achromatomaly

97, 106, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 74, 100, 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(74, 105, 227)` looks like.

```
.text, #text, p{  
    color:rgb(74, 105, 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(74, 105, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 105, 227) }
```

Border

The CSS property to change the border of an element to RYB 74, 100, 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(74, 105, 227) }
```

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

```
.border{ border-color:rgb(74, 105, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 105, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 105, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 105, 227);  
box-shadow:4px 4px 4px 4px rgb(74, 105,  
227) }
```

Background

The CSS property to change the background color of an element to RYB 74, 100, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 105, 227) }
```

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

```
.background{ background-color: rgb(74, 105,  
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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