

Converting Colors

`RYB(76, 122, 210)`

Have a look what the booklet for
RYB(76, 122, 210) contains.

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Color

`RYB(76, 122, 210)`

Conversions

Conversions Part 1

Format	Color
Hex	4C92D2
RGB	76, 146, 210
RGB Percent	30%, 57%, 82%
CMY	0.7020, 0.4273, 0.1765
CMYK	0.64, 0.30, 0.00, 0.18
HSL	209°, 60%, 56%
HSV	209°, 64%, 82%
XYZ	24.8992, 26.7614, 64.8259
YIQ	132.3660, -62.2640, 5.0640

Conversions

Conversions Part 2

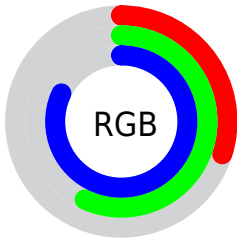
Format	Color
R_{YB}	76, 122, 210
Decimal	5018322
CIE _{Lab}	58.75, -2.28, -39.37
CIE _{LCh}	59, 39.434, 266.682
Yxy	26.7614, 0.2138, 0.2297
Android (android.graphics.Color)	4283208402 (0xFF4C92D2)
YUV	132.3660, 38.2736, -49.4330
Hunter-Lab	51.7314, -4.6149, -38.0857

Details

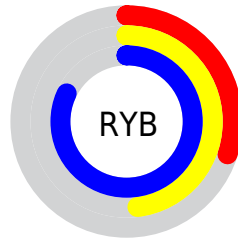
The RYB color **76, 122, 210** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **210, 199, 76**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **136, 178, 255**, and **0, 59, 155** is the 20% darker color. If you saturate the color by 10%, you get **55, 108, 210**, and if you desaturate by 10%, it is **97, 136, 210**.

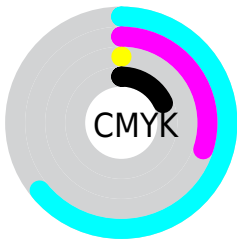
Distribution



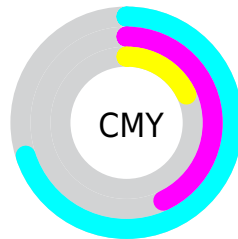
- Red (30%)
- Green (57%)
- Blue (82%)



- Red (30%)
- Yellow (48%)
- Blue (82%)



- Cyan (64%)
- Magenta (30%)
- Yellow (0%)
- Black (18%)





- Cyan (70%)
- Magenta (43%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the RYB color 76, 122, 210 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 76, 122, 210 by changing the saturation by 10% instead.

 76, 122, 210

 76, 122, 210

255, 255, 255

 40, 91, 182


 136, 178, 255

 0, 59, 155

 166, 203, 255

 0, 46, 129

 195, 225, 255

 0, 34, 103

 225, 240, 255

 0, 22, 79

 0, 5, 56

 0, 2, 33

 0, 0, 7

 0, 0, 0

■ 76, 122, 210

■ 76, 122, 210

■ 55, 108, 210

■ 97, 136, 210

■ 34, 94, 210

■ 118, 150, 210

■ 13, 81, 210

■ 139, 163, 210

■ 0, 72, 210

■ 160, 177, 210

■ 181, 191, 210

■ 202, 205, 210

■ 223, 221, 210

■ 244, 240, 210

■ 243, 255, 210

Harmonies

Analogous

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



0, 87, 198



76, 122, 210



139, 134, 203

Triad

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



76, 122, 210



207, 116, 112



90, 146, 156

Complementary

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



76, 122, 210



210, 199, 76

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.



78, 149, 96



76, 122, 210



193, 152, 84

Square

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



76, 122, 210



203, 113, 147



111, 166, 71



23, 97, 159

Rectangle

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



76, 122, 210



169, 125, 189



111, 166, 71



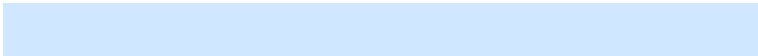
92, 154, 141

Sweetspot

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



76, 122, 210



207, 223, 255



76, 167, 210



98, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



76, 122, 210



59, 126, 255



76, 80, 210



94, 98, 105



0, 58, 168



0, 14, 41

Inverse Universe

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



210, 76, 146



255, 59, 161



80, 210, 76



105, 94, 100



168, 0, 88



41, 0, 21

Previews

White Background



This preview shows how the RYB color 76, 122, 210 looks on a white background.

Color Contrast Check

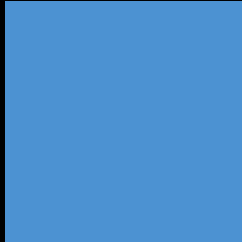
Large Text (above 18pt) WCAG AA ✓ Pass

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 76, 122, 210 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](#).

R Y B 76, 122, 210 Background



This preview shows how black text looks on a background with the R Y B color 76, 122, 210.

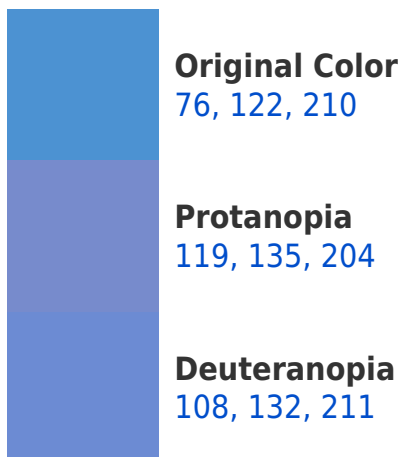


This preview shows how white text looks on a background with the R Y B color 76, 122, 210.

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](#).

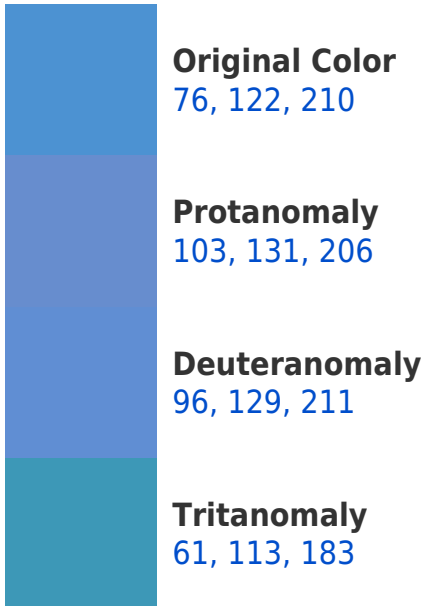
Dichromacy



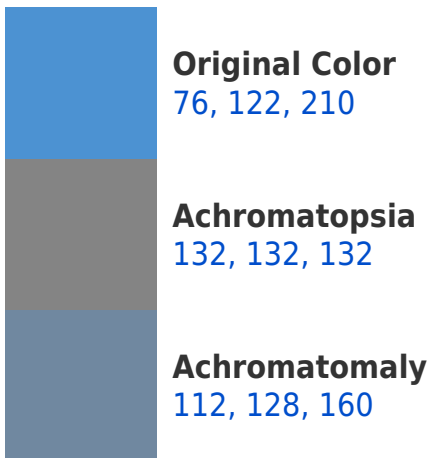


Tritanopia
53, 107, 167

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 122, 210 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(76, 146, 210)` looks like.

```
.text, #text, p{  
    color:rgb(76, 146, 210)  
}
```

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(76, 146, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 146, 210) }
```

Border

The CSS property to change the border of an element to RYB 76, 122, 210 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(76, 146, 210) }
```

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

```
.border{ border-color:rgb(76, 146, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 146, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 146, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 146, 210);  
box-shadow:4px 4px 4px 4px rgb(76, 146,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 76, 146, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 146, 210) }
```

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

```
.background{ background-color: rgb(76, 146,  
210) }
```

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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