

# Converting Colors

`RYB(125, 166, 232)`

Have a look what the booklet for  
RYB(125, 166, 232) contains.

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# Color

**R<sub>Y</sub>B(125, 166, 232)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7DBFE8
RGB	125, 191, 232
RGB Percent	49%, 75%, 91%
CMY	0.5098, 0.2491, 0.0902
CMYK	0.46, 0.17, 0.00, 0.09
HSL	203°, 70%, 70%
HSV	203°, 46%, 91%
XYZ	41.7563, 47.6530, 83.3411
YIQ	175.9400, -52.4970, -1.2410

# Conversions

## Conversions Part 2

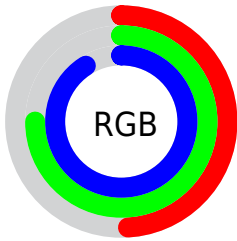
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	125, 166, 232
Decimal	8241128
CIE Lab	74.61, -10.44, -26.73
CIE LCh	75, 28.699, 248.666
Yxy	47.6530, 0.2417, 0.2758
Android (android.graphics.Color)	4286431208 (0xFF7DBFE8)
YUV	175.9400, 27.6376, -44.6744
Hunter-Lab	69.0311, -12.8314, -23.2588

# Details

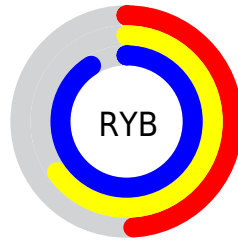
The RYB color **125, 166, 232** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **232, 191, 125**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **182, 216, 255**, and **67, 110, 176** is the 20% darker color. If you saturate the color by 10%, you get **102, 152, 232**, and if you desaturate by 10%, it is **148, 180, 232**.

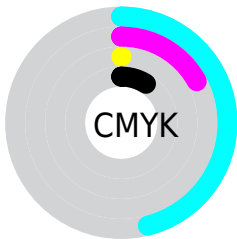
# Distribution



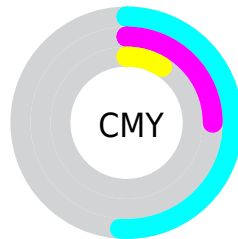
- Red (49%)
- Green (75%)
- Blue (91%)



- Red (49%)
- Yellow (65%)
- Blue (91%)



- Cyan (46%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)




- Cyan (51%)
- Magenta (25%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 125, 166, 232 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 125, 166, 232 by changing the saturation by 10% instead.



 125, 166, 232


255, 255, 255


 182, 217, 255

 211, 233, 255

 241, 248, 255

 125, 166, 232

 97, 138, 204


 67, 110, 176

 34, 81, 149

 0, 51, 124

 0, 39, 98

 0, 27, 74


 0, 16, 52


 0, 2, 30


 0, 0, 0


 125, 166, 232


 125, 166, 232

 102, 152, 232


 148, 180, 232

 79, 138, 232

 171, 194, 232

 55, 123, 232

 195, 209, 232

 32, 109, 232

 218, 223, 232

 9, 95, 232

 241, 237, 232

 0, 89, 232

 253, 255, 232

 234, 255, 232

 232, 255, 232

# Harmonies

## Analogous

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



104, 155, 216



125, 166, 232



161, 178, 235

# Triad

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



125, 166, 232



236, 164, 177



142, 192, 168

# Complementary

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



125, 166, 232



232, 191, 125

# 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.



144, 195, 131



125, 166, 232



234, 172, 152

# Square

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



125, 166, 232



224, 167, 203



219, 211, 135



135, 177, 197

# Rectangle

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



125, 166, 232



186, 177, 230



219, 211, 135



137, 190, 151

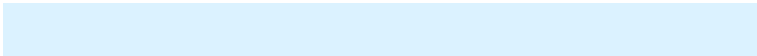


# Sweetspot

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



125, 166, 232



219, 233, 255



125, 203, 232



106, 114, 128



0, 0, 0



128, 128, 128

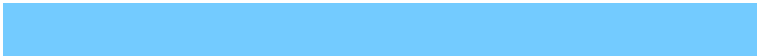


# Same Dimension

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



125, 166, 232



115, 169, 255



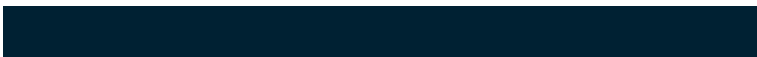
125, 137, 232



103, 107, 115



0, 69, 179



0, 20, 51



# Inverse Universe

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



232, 125, 191



255, 115, 202



141, 232, 125



115, 103, 110



179, 0, 111

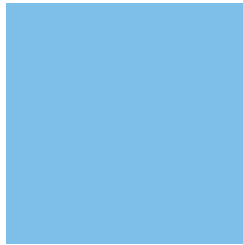


51, 0, 32



# Previews

## White Background



This preview shows how the RYB color 125, 166, 232 looks on a white background.

## Color Contrast Check

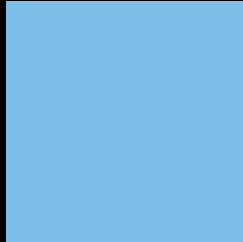
Large Text (above 18pt) WCAG AA × Fail

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 125, 166, 232 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](#).



## RYP 125, 166, 232 Background



This preview shows how black text looks on a background with the RYP color 125, 166, 232.



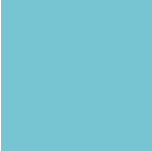
This preview shows how white text looks on a background with the RYP color 125, 166, 232.

# 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



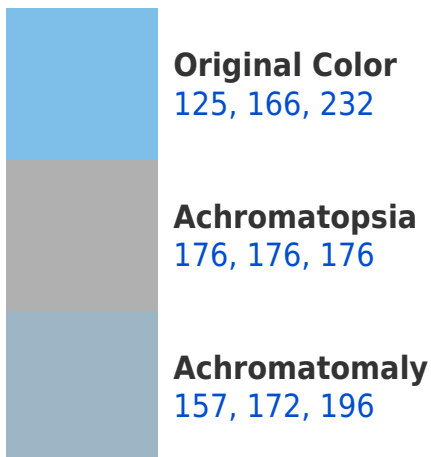


**Tritanopia**  
119, 161, 211

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 125, 166, 232 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(125, 191, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 191, 232)  
}
```

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(125, 191, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 191, 232) }
```

## Border

The CSS property to change the border of an element to RYB 125, 166, 232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

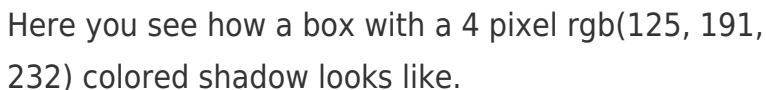
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 191, 232) }
```

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

```
.border{ border-color:rgb(125, 191, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 191, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 191, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 191, 232); box-shadow:4px 4px 4px 4px rgb(125, 191, 232) }
```

# Background

The CSS property to change the background color of an element to RYB 125, 166, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 191, 232) }
```

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

```
.background{ background-color: rgb(125,  
191, 232) }
```

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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