

Converting Colors

`RYB(109, 157, 227)`

Have a look what the booklet for
RYB(109, 157, 227) contains.

RYB(109, 157, 227)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(109, 157, 227)

Conversions

Conversions Part 1

Format	Color
Hex	6DBEE3
RGB	109, 190, 227
RGB Percent	43%, 75%, 89%
CMY	0.5725, 0.2552, 0.1098
CMYK	0.52, 0.16, 0.00, 0.11
HSL	199°, 68%, 66%
HSV	199°, 52%, 89%
XYZ	38.5667, 45.5871, 79.4395
YIQ	169.9990, -60.1530, -5.6650

Conversions

Conversions Part 2

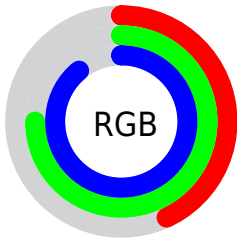
Format	Color
R _{YB}	109, 157, 227
Decimal	7192291
CIE _{Lab}	73.28, -14.65, -26.12
CIE _{LCh}	73, 29.950, 240.717
Yxy	45.5871, 0.2357, 0.2787
Android (android.graphics.Color)	4285382371 (0xFF6DBEE3)
YUV	169.9990, 28.1015, -53.4961
Hunter-Lab	67.5182, -16.1968, -22.4958

Details

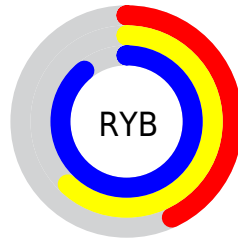
The RYB color **109, 157, 227** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **227, 163, 109**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **167, 209, 255**, and **46, 99, 172** is the 20% darker color. If you saturate the color by 10%, you get **86, 143, 227**, and if you desaturate by 10%, it is **132, 171, 227**.

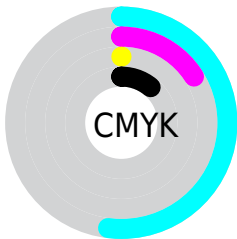
Distribution



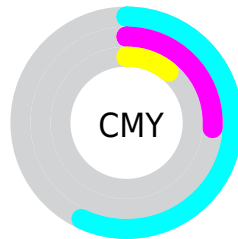
- Red (43%)
- Green (75%)
- Blue (89%)



- Red (43%)
- Yellow (62%)
- Blue (89%)



- Cyan (52%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (57%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 157, 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 109, 157, 227 by changing the saturation by 10% instead.

 109, 157, 227


255, 255, 255

 167, 209, 255

 196, 226, 255

 226, 241, 255

 109, 157, 227

 79, 128, 199


 46, 99, 172

 0, 63, 145

 0, 50, 119

 0, 38, 94

 0, 26, 70

 0, 15, 48

 0, 1, 27

 0, 0, 0

■ 109, 157, 227

■ 109, 157, 227

■ 86, 143, 227

■ 132, 171, 227

■ 64, 130, 227

■ 154, 184, 227

■ 41, 117, 227

■ 177, 197, 227

■ 18, 103, 227

■ 200, 211, 227

■ 0, 92, 227

■ 222, 224, 227

■ 245, 236, 227

■ 255, 251, 227

■ 238, 255, 227

■ 228, 255, 227

Harmonies

Analogous

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



94, 147, 207



109, 157, 227



146, 172, 234

Triad

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



109, 157, 227



233, 160, 180



132, 187, 149

Complementary

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



109, 157, 227



227, 163, 109

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.



154, 199, 125



109, 157, 227



234, 163, 153

Square

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



109, 157, 227



216, 164, 207



222, 193, 133



138, 182, 193

Rectangle

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



109, 157, 227



172, 176, 231



222, 193, 133



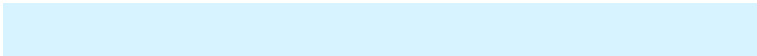
128, 184, 132

Sweetspot

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



109, 157, 227



214, 231, 255



109, 200, 227



103, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



109, 157, 227



97, 161, 255



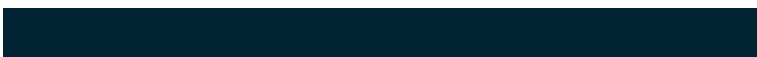
109, 129, 227



103, 108, 115



0, 73, 179



0, 21, 51

Inverse Universe

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



227, 109, 190



255, 97, 205



139, 227, 109



115, 103, 111



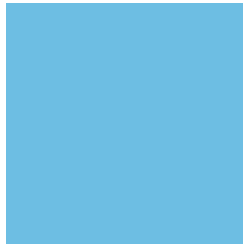
179, 0, 122



51, 0, 35

Previews

White Background



This preview shows how the RYB color 109, 157, 227 looks on a white background.

Color Contrast Check

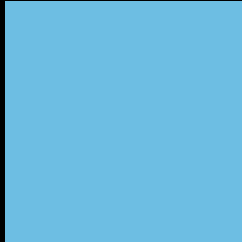
Large Text (above 18pt) WCAG AA × Fail

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 109, 157, 227 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 109, 157, 227 Background



This preview shows how black text looks on a background with the RYB color 109, 157, 227.

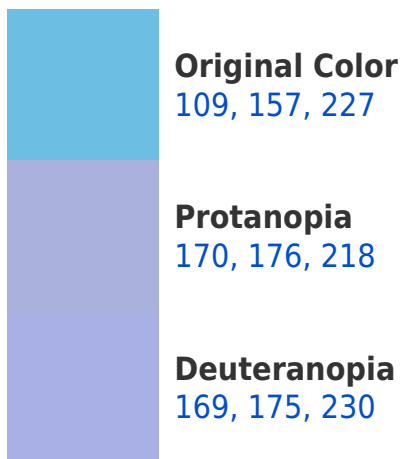


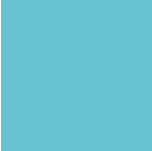
This preview shows how white text looks on a background with the RYB color 109, 157, 227.

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](#).

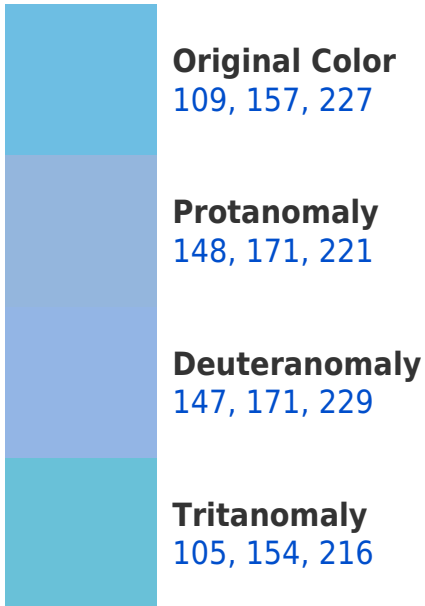
Dichromacy



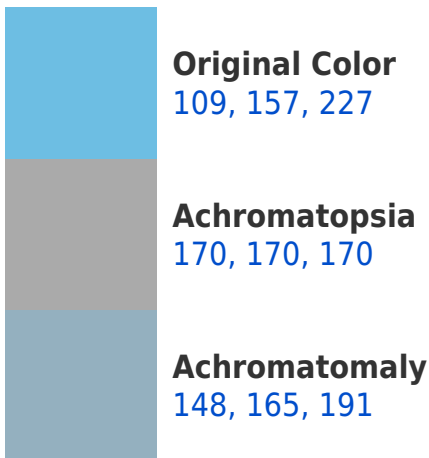


Tritanopia
103, 152, 209

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 157, 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(109, 190, 227)` looks like.

```
.text, #text, p{  
    color:rgb(109, 190, 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(109, 190, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 190, 227) }
```

Border

The CSS property to change the border of an element to RYB 109, 157, 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(109, 190, 227) }
```

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

```
.border{ border-color:rgb(109, 190, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 190, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 190, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 190, 227); box-shadow:4px 4px 4px 4px rgb(109, 190, 227) }
```

Background

The CSS property to change the background color of an element to RYB 109, 157, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 190, 227) }
```

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

```
.background{ background-color: rgb(109,  
190, 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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