

Converting Colors

`RYB(105, 153, 252)`

Have a look what the booklet for
RYB(105, 153, 252) contains.

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Color

R_YB(105, 153, 252)

Conversions

Conversions Part 1

Format	Color
Hex	69B0FC
RGB	105, 176, 252
RGB Percent	41%, 69%, 99%
CMY	0.5882, 0.3087, 0.0118
CMYK	0.58, 0.30, 0.00, 0.01
HSL	211°, 96%, 70%
HSV	211°, 58%, 99%
XYZ	38.9753, 41.1893, 97.9916
YIQ	163.4350, -66.7120, 8.5840

Conversions

Conversions Part 2

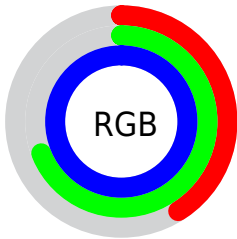
Format	Color
RYB	105, 153, 252
Decimal	6926588
CIELab	70.31, -0.55, -44.29
CIELCh	70, 44.292, 269.286
Yxy	41.1893, 0.2188, 0.2312
Android (android.graphics.Color)	4285116668 (0xFF69B0FC)
YUV	163.4350, 43.6625, -51.2475
Hunter-Lab	64.1789, -3.9115, -45.6018

Details

The RYB color **105, 153, 252** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **242, 252, 105**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **166, 204, 255**, and **32, 91, 195** is the 20% darker color. If you saturate the color by 10%, you get **80, 136, 252**, and if you desaturate by 10%, it is **130, 170, 252**.

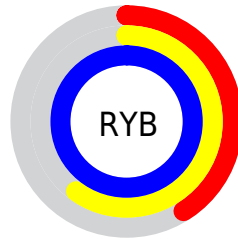
Distribution



Red (41%)

Green (69%)

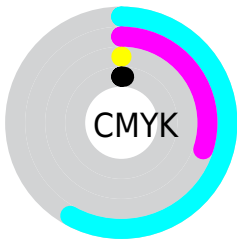
Blue (99%)



Red (41%)

Yellow (60%)

Blue (99%)

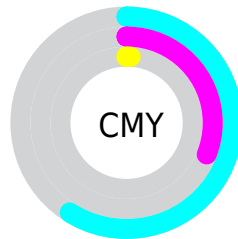


Cyan (58%)

Magenta (30%)

Yellow (0%)

Black (1%)



Cyan (59%)

Magenta (31%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 153, 252 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 105, 153, 252 by changing the saturation by 10% instead.

 105, 153, 252


255, 255, 255


 166, 204, 255

 196, 226, 255

 226, 241, 255

 105, 153, 252

 73, 124, 223

 31, 90, 195

 0, 62, 168

 0, 49, 141

 0, 37, 115

 0, 24, 90

 0, 8, 66

 0, 3, 43

 0, 1, 21

■ 105, 153, 252

■ 105, 153, 252

■ 80, 136, 252

■ 130, 170, 252

■ 55, 119, 252

■ 155, 187, 252

■ 29, 102, 252

■ 181, 204, 252

■ 4, 85, 252

■ 206, 221, 252

■ 0, 82, 252

■ 231, 238, 252

■ 254, 255, 252

■ 252, 255, 252

Harmonies

Analogous

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



0, 105, 240



105, 153, 252



174, 162, 242

Triad

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



105, 153, 252



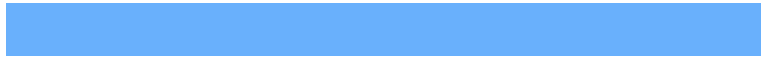
247, 144, 135



107, 172, 189

Complementary

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



105, 153, 252



242, 252, 105

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.



100, 181, 124



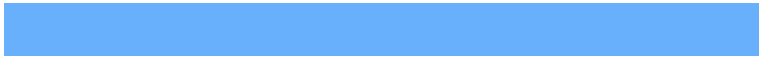
105, 153, 252



230, 190, 104

Square

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



105, 153, 252



246, 139, 174



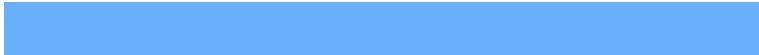
130, 198, 90



30, 118, 193

Rectangle

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



105, 153, 252



208, 152, 225



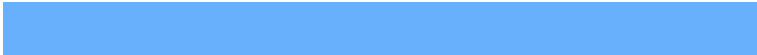
130, 198, 90



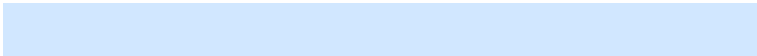
118, 187, 180

Sweetspot

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



105, 153, 252



209, 224, 255



105, 203, 252



99, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



105, 153, 252



77, 135, 255



105, 105, 252



112, 117, 125



0, 61, 189



0, 20, 61

Inverse Universe

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



252, 105, 176



255, 77, 163



105, 252, 105



125, 112, 119



189, 0, 91



61, 0, 30

Previews

White Background



This preview shows how the RYB color 105, 153, 252 looks on a white background.

Color Contrast Check

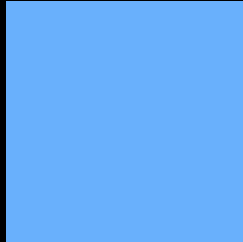
Large Text (above 18pt) WCAG AA × Fail

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 105, 153, 252 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

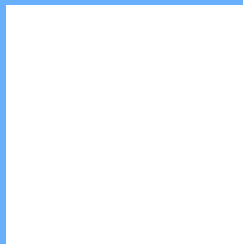
Any Text WCAG AAA ✓ Pass

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

RYB 105, 153, 252 Background



This preview shows how black text looks on a background with the RYB color 105, 153, 252.

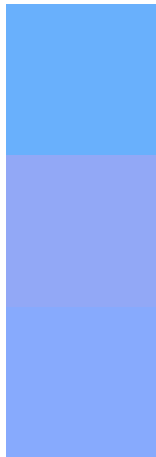


This preview shows how white text looks on a background with the RYB color 105, 153, 252.

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
105, 153, 252

Protanopia
146, 164, 246

Deuteranopia
135, 162, 253



Tritanopia
84, 138, 201

Trichromacy



Original Color
105, 153, 252

Protanomaly
131, 161, 248

Deuteranomaly
124, 159, 253

Tritanomaly
92, 145, 220

Monochromacy



Original Color
105, 153, 252

Achromatopsia
164, 164, 164

Achromatomaly
143, 160, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 153, 252 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(105, 176, 252)` looks like.

```
.text, #text, p{  
    color:rgb(105, 176, 252)  
}
```

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(105, 176, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 176, 252) }
```

Border

The CSS property to change the border of an element to RYB 105, 153, 252 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(105, 176, 252) }
```

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

```
.border{ border-color:rgb(105, 176, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 176, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 176, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 176, 252);  
box-shadow:4px 4px 4px 4px rgb(105, 176,  
252) }
```

Background

The CSS property to change the background color of an element to RYB 105, 153, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 176, 252) }
```

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

```
.background{ background-color: rgb(105,  
176, 252) }
```

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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