

Converting Colors

`RYB(102, 165, 237)`

Have a look what the booklet for RYB(102, 165, 237) contains.

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Color

R_YB(102, 165, 237)

Conversions

Conversions Part 1

Format	Color
Hex	66DCED
RGB	102, 220, 237
RGB Percent	40%, 86%, 93%
CMY	0.6000, 0.1368, 0.0706
CMYK	0.57, 0.07, 0.00, 0.07
HSL	188°, 79%, 66%
HSV	188°, 57%, 93%
XYZ	46.3916, 60.1912, 89.2937
YIQ	186.6560, -75.7850, -19.7290

Conversions

Conversions Part 2

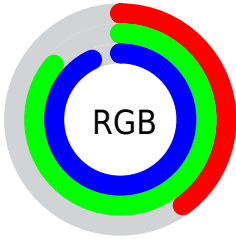
Format	Color
RYB	102, 165, 237
Decimal	6741229
CIELab	81.94, -28.49, -18.34
CIELCh	82, 33.882, 212.770
Yxy	60.1912, 0.2368, 0.3073
Android (android.graphics.Color)	4284931309 (0xFF66DCED)
YUV	186.6560, 24.8196, -74.2433
Hunter-Lab	77.5830, -29.0343, -13.9314

Details

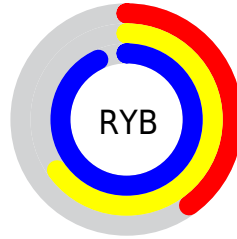
The RYB color **102, 165, 237** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **237, 121, 102**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **163, 209, 255**, and **22, 97, 181** is the 20% darker color. If you saturate the color by 10%, you get **78, 152, 237**, and if you desaturate by 10%, it is **126, 178, 237**.

Distribution



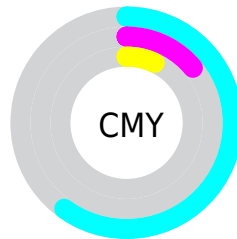
- Red (40%)
- Green (86%)
- Blue (93%)



- Red (40%)
- Yellow (65%)
- Blue (93%)



- Cyan (57%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)




- Cyan (60%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 165, 237 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 102, 165, 237 by changing the saturation by 10% instead.

 102, 165, 237


255, 255, 255


 163, 209, 255

 194, 225, 255

 224, 240, 255

254, 255, 255

 102, 165, 237

 69, 134, 209

 22, 97, 181


 0, 73, 154

 0, 60, 128

 0, 47, 103

 0, 35, 79

 0, 24, 56

 0, 11, 35

 0, 0, 11

■ 102, 165, 237

■ 102, 165, 237

■ 78, 152, 237

■ 126, 178, 237

■ 55, 140, 237

■ 149, 190, 237

■ 31, 127, 237

■ 173, 203, 237

■ 7, 114, 237

■ 197, 216, 237

■ 0, 110, 237

■ 220, 228, 237

■ 244, 238, 237

■ 255, 242, 237

■ 255, 248, 237

■ 251, 255, 237

Harmonies

Analogous

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



118, 174, 221



102, 165, 237



123, 177, 255

Triad

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



102, 165, 237



247, 185, 233



166, 223, 140

Complementary

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



102, 165, 237



237, 121, 102

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.



250, 225, 148



102, 165, 237



255, 180, 202

Square

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



102, 165, 237



212, 195, 255



255, 185, 171



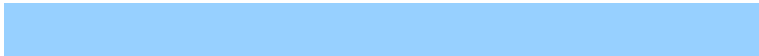
150, 212, 173

Rectangle

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



102, 165, 237



151, 188, 255



255, 185, 171



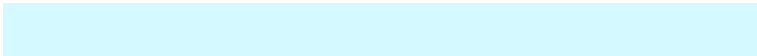
195, 233, 141

Sweetspot

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



102, 165, 237



212, 232, 255



102, 223, 237



102, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



102, 165, 237



82, 163, 255



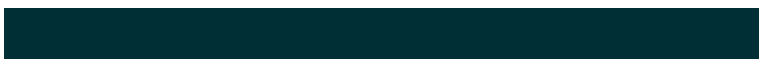
102, 140, 237



106, 111, 117



0, 84, 181



0, 25, 54

Inverse Universe

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



237, 102, 220



255, 82, 233



187, 237, 102



117, 106, 116



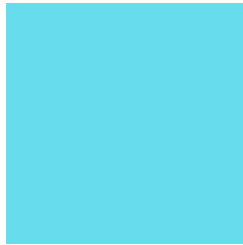
181, 0, 158



54, 0, 47

Previews

White Background



This preview shows how the RYB color 102, 165, 237 looks on a white background.

Color Contrast Check

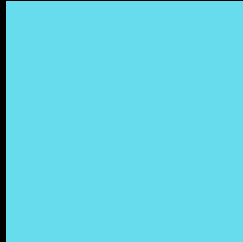
Large Text (above 18pt) WCAG AA × Fail

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 102, 165, 237 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 102, 165, 237 Background



This preview shows how black text looks on a background with the RYB color 102, 165, 237.

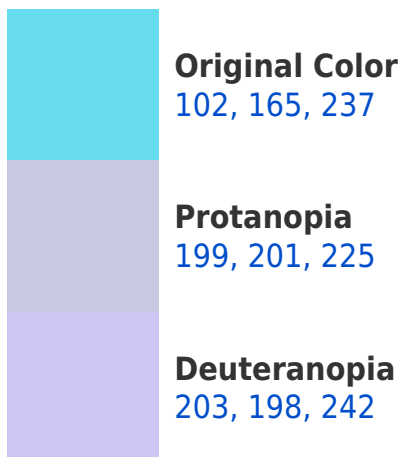


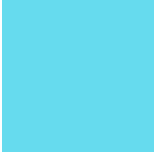
This preview shows how white text looks on a background with the RYB color 102, 165, 237.

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
102, 165, 238

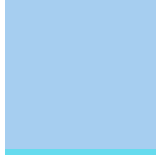
Trichromacy



Original Color
102, 165, 237



Protanomaly
164, 190, 229



Deuteranomaly
166, 192, 240

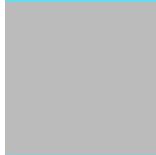


Tritanomaly
102, 165, 238

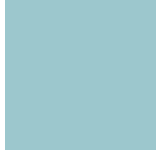
Monochromacy



Original Color
102, 165, 237



Achromatopsia
187, 187, 187



Achromatomaly
156, 179, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 165, 237 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(102, 220, 237)` looks like.

```
.text, #text, p{  
    color:rgb(102, 220, 237)  
}
```

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(102, 220, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 220, 237) }
```

Border

The CSS property to change the border of an element to RYB 102, 165, 237 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(102, 220, 237) }
```

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

```
.border{ border-color:rgb(102, 220, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 220, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 220, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 220, 237);  
box-shadow:4px 4px 4px 4px rgb(102, 220,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 102, 165, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 220, 237) }
```

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

```
.background{ background-color: rgb(102,  
220, 237) }
```

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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