

Converting Colors

`RYB(77, 158, 232)`

Have a look what the booklet for
RYB(77, 158, 232) contains.

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Color

`RYB(77, 158, 232)`

Conversions

Conversions Part 1

Format	Color
Hex	4DE8DB
RGB	77, 232, 219
RGB Percent	30%, 91%, 86%
CMY	0.6980, 0.0902, 0.1427
CMYK	0.67, 0.00, 0.06, 0.09
HSL	175°, 77%, 61%
HSV	175°, 67%, 91%
XYZ	44.6514, 64.3847, 76.8196
YIQ	184.1730, -88.2070, -36.9030

Conversions

Conversions Part 2

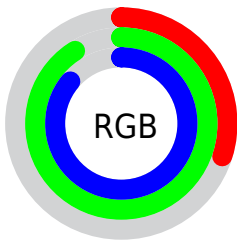
Format	Color
RYB	77, 158, 232
Decimal	5105883
CIELab	84.17, -43.06, -5.35
CIELCh	84, 43.390, 187.079
Yxy	64.3847, 0.2402, 0.3464
Android (android.graphics.Color)	4283295963 (0xFF4DE8DB)
YUV	184.1730, 17.1697, -93.9907
Hunter-Lab	80.2401, -41.0898, -0.5945

Details

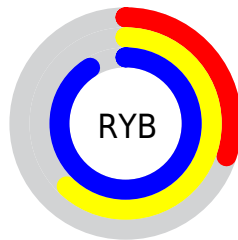
The RYB color **77, 158, 232** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **232, 77, 90**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **144, 200, 255**, and **0, 91, 176** is the 20% darker color. If you saturate the color by 10%, you get **54, 147, 232**, and if you desaturate by 10%, it is **100, 169, 232**.

Distribution



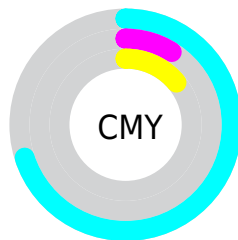
- Red (30%)
- Green (91%)
- Blue (86%)



- Red (30%)
- Yellow (62%)
- Blue (91%)



- Cyan (67%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



















- Cyan (70%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 77, 158, 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 77, 158, 232 by changing the saturation by 10% instead.

 77, 158, 232	 77, 158, 232
 255, 255, 255	 30, 120, 203
 144, 200, 255	 0, 91, 176
 175, 215, 255	 0, 77, 148
 206, 231, 255	 0, 64, 122
 237, 246, 255	 0, 50, 96
	 0, 38, 72
	 0, 25, 48
	 0, 12, 24
	 0, 0, 0

■ 77, 158, 232

■ 77, 158, 232

■ 54, 147, 232

■ 100, 169, 232

■ 31, 136, 232

■ 123, 180, 232

■ 7, 124, 232

■ 147, 191, 232

■ 0, 121, 232

■ 170, 202, 232

■ 193, 213, 232

■ 216, 224, 232

■ 239, 232, 233

■ 255, 232, 235

■ 255, 232, 237

Harmonies

Analogous

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



133, 199, 229



77, 158, 232



39, 140, 255

Triad

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



77, 158, 232



227, 196, 255



247, 255, 135

Complementary

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



77, 158, 232



232, 77, 90

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.



255, 190, 163



77, 158, 232



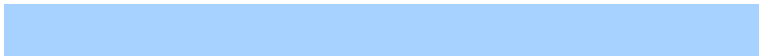
255, 183, 243

Square

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



77, 158, 232



167, 196, 255



255, 178, 202



148, 228, 128

Rectangle

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



77, 158, 232



72, 156, 255



255, 178, 202



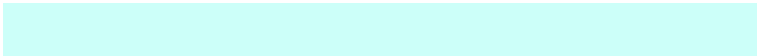
255, 230, 143

Sweetspot

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



77, 158, 232



204, 231, 255



77, 232, 216



97, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



77, 158, 232



51, 158, 255



77, 135, 232



103, 109, 115



0, 94, 179



0, 27, 51

Inverse Universe

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



232, 77, 90



255, 51, 69



232, 180, 77



115, 103, 104



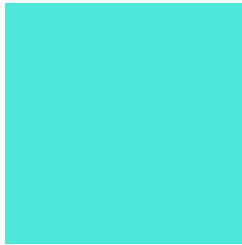
179, 0, 15



51, 0, 4

Previews

White Background



This preview shows how the RYB color 77, 158, 232 looks on a white background.

Color Contrast Check

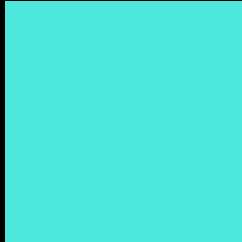
Large Text (above 18pt) WCAG AA × Fail

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 77, 158, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

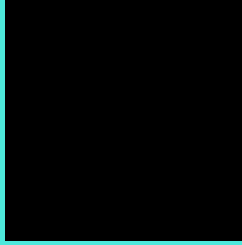
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

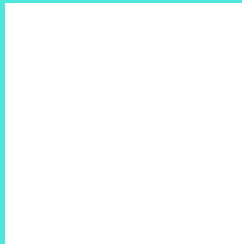
Any Text WCAG AAA ✓ Pass

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

R Y B 77, 158, 232 Background



This preview shows how black text looks on a background with the R Y B color 77, 158, 232.

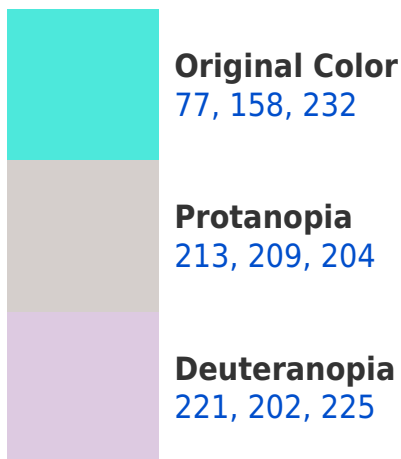


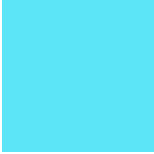
This preview shows how white text looks on a background with the R Y B color 77, 158, 232.

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
91, 164, 246

Trichromacy



Original Color

77, 158, 232



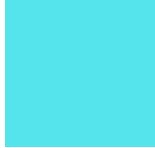
Protanomaly

164, 192, 216



Deuteranomaly

169, 193, 223



Tritanomaly

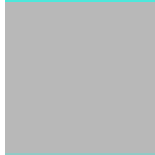
86, 159, 236

Monochromacy



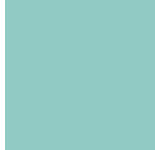
Original Color

77, 158, 232



Achromatopsia

184, 184, 184



Achromatomaly

145, 174, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 158, 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(77, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(77, 232, 219)  
}
```

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(77, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 232, 219) }
```

Border

The CSS property to change the border of an element to RYB 77, 158, 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(77, 232, 219) }
```

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

```
.border{ border-color:rgb(77, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(77, 232,  
219) }
```

Background

The CSS property to change the background color of an element to RGB 77, 158, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 232, 219) }
```

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

```
.background{ background-color: rgb(77, 232,  
219) }
```

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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