

Converting Colors

`RYB(75, 150, 236)`

Have a look what the booklet for RYB(75, 150, 236) contains.

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Color

`RYB(75, 150, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	4BD7EC
RGB	75, 215, 236
RGB Percent	29%, 84%, 93%
CMY	0.7059, 0.1553, 0.0745
CMYK	0.68, 0.09, 0.00, 0.07
HSL	188°, 81%, 61%
HSV	188°, 68%, 93%
XYZ	42.4462, 56.3604, 87.9984
YIQ	175.5340, -90.1810, -23.1490

Conversions

Conversions Part 2

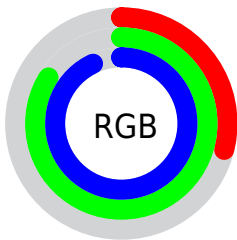
Format	Color
RYB	75, 150, 236
Decimal	4970476
CIELab	79.82, -30.83, -21.09
CIELCh	80, 37.353, 214.377
Yxy	56.3604, 0.2272, 0.3017
Android (android.graphics.Color)	4283160556 (0xFF4BD7EC)
YUV	175.5340, 29.8097, -88.1683
Hunter-Lab	75.0736, -30.4558, -16.9460

Details

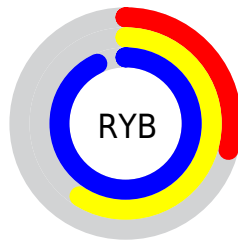
The RYB color **75, 150, 236** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **236, 99, 75**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **142, 199, 255**, and **0, 85, 180** is the 20% darker color. If you saturate the color by 10%, you get **51, 137, 236**, and if you desaturate by 10%, it is **99, 163, 236**.

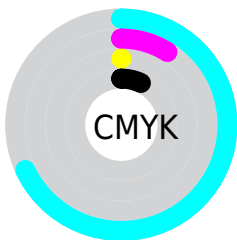
Distribution



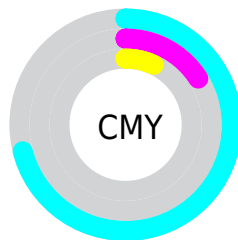
- Red (29%)
- Green (84%)
- Blue (93%)



- Red (29%)
- Yellow (59%)
- Blue (93%)



- Cyan (68%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)




- Cyan (71%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 150, 236 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 75, 150, 236 by changing the saturation by 10% instead.

 75, 150, 236


255, 255, 255


 142, 199, 255

 174, 215, 255

 205, 230, 255

 235, 245, 255

 75, 150, 236


 26, 111, 208

 0, 85, 180

 0, 71, 153

 0, 58, 127

 0, 46, 102

 0, 34, 78

 0, 22, 55

 0, 2, 34

 0, 0, 9

■ 75, 150, 236

■ 75, 150, 236

■ 51, 137, 236

■ 99, 163, 236

■ 28, 125, 236

■ 122, 175, 236

■ 4, 112, 236

■ 146, 188, 236

■ 0, 110, 236

■ 169, 200, 236

■ 193, 213, 236

■ 217, 226, 236

■ 240, 237, 236

■ 255, 241, 236

■ 255, 247, 236

Harmonies

Analogous

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



97, 161, 217



75, 150, 236



105, 167, 255

Triad

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



75, 150, 236



246, 176, 229



154, 217, 128

Complementary

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



75, 150, 236



236, 99, 75

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.



247, 224, 136



75, 150, 236



255, 171, 194

Square

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



75, 150, 236



209, 187, 255



255, 178, 160



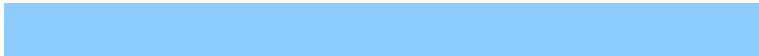
139, 208, 168

Rectangle

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



75, 150, 236



140, 181, 255



255, 178, 160



182, 228, 128

Sweetspot

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



75, 150, 236



204, 228, 255



75, 219, 236



97, 111, 128



0, 0, 0



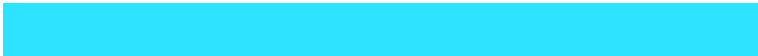
128, 128, 128

Same Dimension

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



75, 150, 236



46, 143, 255



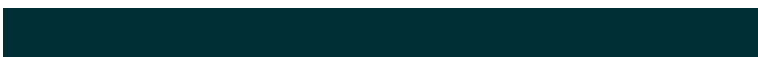
75, 120, 236



106, 111, 117



0, 84, 181



0, 25, 54

Inverse Universe

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



236, 75, 215



255, 46, 228



176, 236, 75



117, 106, 116



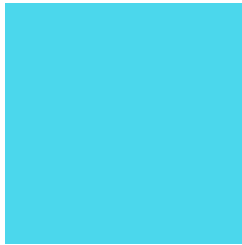
181, 0, 158



54, 0, 47

Previews

White Background



This preview shows how the RYB color 75, 150, 236 looks on a white background.

Color Contrast Check

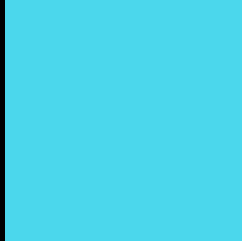
Large Text (above 18pt) WCAG AA × Fail

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 75, 150, 236 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 75, 150, 236 Background



This preview shows how black text looks on a background with the R Y B color 75, 150, 236.

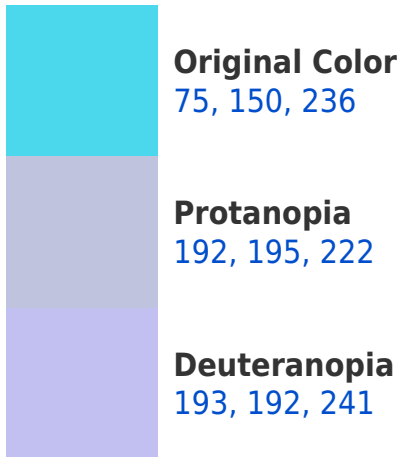


This preview shows how white text looks on a background with the R Y B color 75, 150, 236.

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





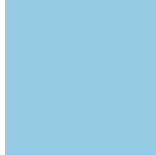
Tritanopia
73, 149, 233

Trichromacy



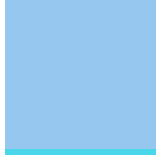
Original Color

75, 150, 236



Protanomaly

149, 181, 227



Deuteranomaly

150, 182, 239



Tritanomaly

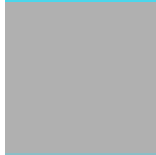
74, 149, 234

Monochromacy



Original Color

75, 150, 236



Achromatopsia

176, 176, 176



Achromatomaly

139, 166, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 150, 236 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(75, 215, 236)` looks like.

```
.text, #text, p{  
    color:rgb(75, 215, 236)  
}
```

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(75, 215, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 215, 236) }
```

Border

The CSS property to change the border of an element to RYB 75, 150, 236 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(75, 215, 236) }
```

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

```
.border{ border-color:rgb(75, 215, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 215, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 215, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 215, 236);  
box-shadow:4px 4px 4px 4px rgb(75, 215,  
236) }
```

Background

The CSS property to change the background color of an element to RGB 75, 150, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 215, 236) }
```

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

```
.background{ background-color: rgb(75, 215,  
236) }
```

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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