

Converting Colors

`RYB(73, 152, 230)`

Have a look what the booklet for
RYB(73, 152, 230) contains.

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Color

R_YB(73, 152, 230)

Conversions

Conversions Part 1

Format	Color
Hex	49E6E4
RGB	73, 230, 228
RGB Percent	29%, 90%, 89%
CMY	0.7137, 0.0980, 0.1058
CMYK	0.68, 0.00, 0.01, 0.10
HSL	179°, 76%, 59%
HSV	179°, 68%, 90%
XYZ	45.0498, 63.6122, 83.3120
YIQ	182.8290, -92.9300, -33.9060

Conversions

Conversions Part 2

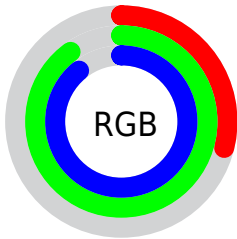
Format	Color
RYB	73, 152, 230
Decimal	4843236
CIELab	83.76, -40.17, -10.92
CIELCh	84, 41.631, 195.209
Yxy	63.6122, 0.2347, 0.3314
Android (android.graphics.Color)	4283033316 (0xFF49E6E4)
YUV	182.8290, 22.2693, -96.3200
Hunter-Lab	79.7573, -38.7519, -6.1024

Details

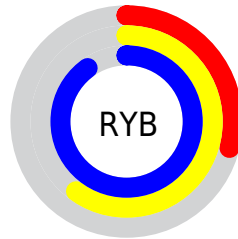
The RYB color **73, 152, 230** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **230, 73, 75**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **142, 199, 255**, and **0, 87, 174** is the 20% darker color. If you saturate the color by 10%, you get **50, 141, 230**, and if you desaturate by 10%, it is **96, 164, 230**.

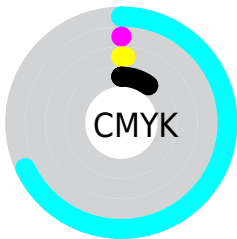
Distribution



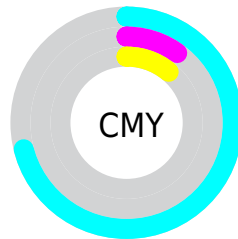
- Red (29%)
- Green (90%)
- Blue (89%)



- Red (29%)
- Yellow (60%)
- Blue (90%)



- Cyan (68%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



















- Cyan (71%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 73, 152, 230 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 73, 152, 230 by changing the saturation by 10% instead.

 73, 152, 230	 73, 152, 230
 255, 255, 255	 18, 111, 202
 142, 199, 255	 0, 87, 174
 173, 214, 255	 0, 74, 147
 204, 230, 255	 0, 60, 120
 236, 246, 255	 0, 48, 96
	 0, 35, 72
	 0, 24, 50
	 0, 13, 29
	 0, 0, 0

■ 73, 152, 230

■ 73, 152, 230

■ 50, 141, 230

■ 96, 164, 230

■ 27, 129, 230

■ 119, 175, 230

■ 4, 118, 230

■ 142, 186, 230

■ 0, 116, 230

■ 165, 198, 230

■ 188, 209, 230

■ 211, 221, 230

■ 234, 230, 230

■ 255, 230, 230

■ 255, 230, 231

Harmonies

Analogous

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



122, 188, 229



73, 152, 230



64, 152, 255

Triad

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



73, 152, 230



239, 192, 255



225, 252, 133

Complementary

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



73, 152, 230



230, 73, 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.



255, 202, 155



73, 152, 230



255, 181, 230

Square

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



73, 152, 230



185, 201, 255



255, 179, 190



134, 215, 132

Rectangle

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



73, 152, 230



99, 168, 255



255, 179, 190



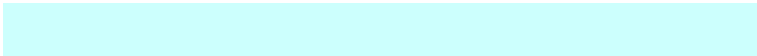
255, 249, 138

Sweetspot

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



73, 152, 230



204, 230, 255



73, 230, 227



97, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



73, 152, 230



46, 151, 255



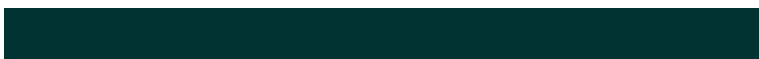
73, 126, 230



103, 109, 115



0, 90, 179



0, 26, 51

Inverse Universe

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



230, 73, 75



255, 46, 49



230, 220, 73



115, 103, 103



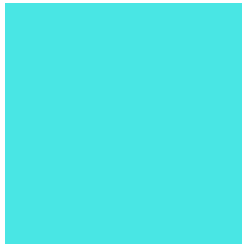
179, 0, 2



51, 0, 1

Previews

White Background



This preview shows how the RYB color 73, 152, 230 looks on a white background.

Color Contrast Check

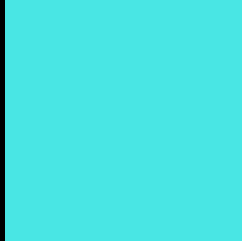
Large Text (above 18pt) WCAG AA × Fail

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 73, 152, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

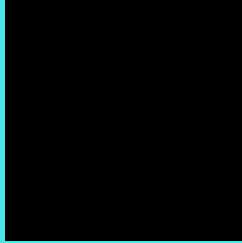
Any Text WCAG AA ✓ Pass

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 73, 152, 230 Background



This preview shows how black text looks on a background with the RYB color 73, 152, 230.

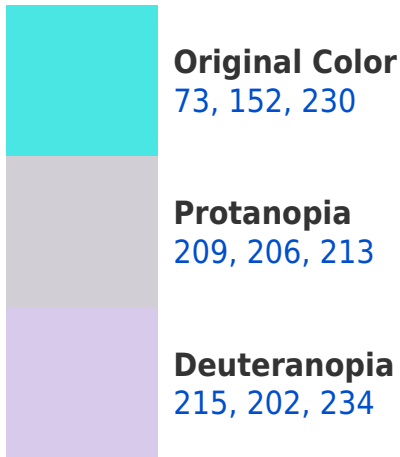


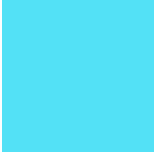
This preview shows how white text looks on a background with the RYB color 73, 152, 230.

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
83, 159, 246

Trichromacy



Original Color

73, 152, 230



Protanomaly

160, 188, 218



Deuteranomaly

163, 192, 232



Tritanomaly

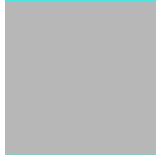
79, 156, 239

Monochromacy



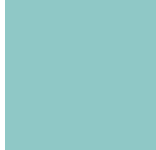
Original Color

73, 152, 230



Achromatopsia

183, 183, 183



Achromatomaly

143, 172, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 152, 230 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(73, 230, 228)` looks like.

```
.text, #text, p{  
    color:rgb(73, 230, 228)  
}
```

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(73, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 230, 228) }
```

Border

The CSS property to change the border of an element to RYB 73, 152, 230 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(73, 230, 228) }
```

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

```
.border{ border-color:rgb(73, 230, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 230, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(73, 230,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 73, 152, 230 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 230, 228) }
```

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

```
.background{ background-color: rgb(73, 230,  
228) }
```

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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