

Converting Colors

`RYB(73, 153, 232)`

Have a look what the booklet for
RYB(73, 153, 232) contains.

RYB(73, 153, 232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(73, 153, 232)`

Conversions

Conversions Part 1

Format	Color
Hex	49E8E6
RGB	73, 232, 230
RGB Percent	29%, 91%, 90%
CMY	0.7137, 0.0902, 0.0980
CMYK	0.69, 0.00, 0.01, 0.09
HSL	179°, 78%, 60%
HSV	179°, 69%, 91%
XYZ	45.8890, 64.8436, 84.9696
YIQ	184.2310, -94.1220, -34.3300

Conversions

Conversions Part 2

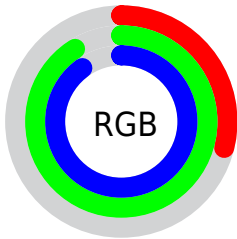
Format	Color
RYB	73, 153, 232
Decimal	4843750
CIELab	84.40, -40.52, -11.02
CIELCh	84, 41.997, 195.218
Yxy	64.8436, 0.2345, 0.3313
Android (android.graphics.Color)	4283033830 (0xFF49E8E6)
YUV	184.2310, 22.5641, -97.5496
Hunter-Lab	80.5255, -39.1981, -6.1943

Details

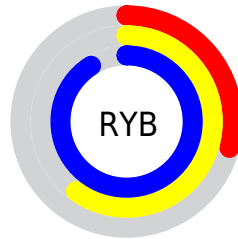
The RYB color **73, 153, 232** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **232, 73, 75**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **142, 199, 255**, and **0, 88, 176** is the 20% darker color. If you saturate the color by 10%, you get **50, 142, 232**, and if you desaturate by 10%, it is **96, 165, 232**.

Distribution



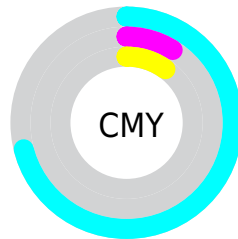
- Red (29%)
- Green (91%)
- Blue (90%)



- Red (29%)
- Yellow (60%)
- Blue (91%)



- Cyan (69%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)




- Cyan (71%)
- Magenta (9%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the RYB color 73, 153, 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 73, 153, 232 by changing the saturation by 10% instead.

 73, 153, 232


255, 255, 255


 142, 199, 255

 174, 215, 255

 205, 230, 255

 236, 246, 255

 73, 153, 232


 17, 111, 204

 0, 88, 176


 0, 75, 149

 0, 61, 122


 0, 49, 97


 0, 36, 74


 0, 25, 51


 0, 14, 30


 0, 0, 3

 73, 153, 232

 73, 153, 232

 50, 142, 232


 96, 165, 232

 27, 130, 232

 119, 176, 232

 3, 118, 232

 143, 188, 232

 0, 117, 232

 166, 199, 232

 189, 211, 232

 212, 222, 232

 235, 232, 232

 255, 232, 232

 255, 232, 233

Harmonies

Analogous

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



123, 190, 231



73, 153, 232



64, 153, 255

Triad

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



73, 153, 232



241, 193, 255



229, 254, 134

Complementary

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



73, 153, 232



232, 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, 203, 156



73, 153, 232



255, 182, 232

Square

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



73, 153, 232



187, 203, 255



255, 181, 192



135, 217, 133

Rectangle

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



73, 153, 232



100, 169, 255



255, 181, 192



255, 255, 139

Sweetspot

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



73, 153, 232



201, 228, 255



73, 232, 229



96, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



73, 153, 232



46, 151, 255



73, 127, 232



103, 109, 115



0, 90, 179



0, 26, 51

Inverse Universe

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



232, 73, 75



255, 46, 49



232, 222, 73



115, 103, 103



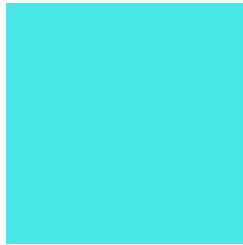
179, 0, 2



51, 0, 1

Previews

White Background



This preview shows how the RYB color 73, 153, 232 looks on a white background.

Color Contrast Check

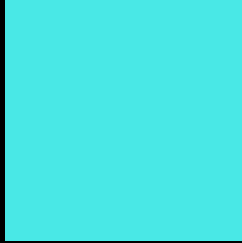
Large Text (above 18pt) WCAG AA × Fail

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 73, 153, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

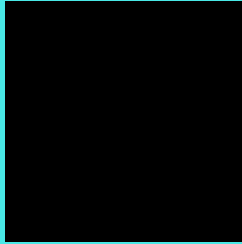
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

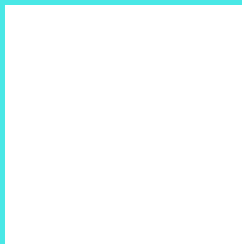
Any Text WCAG AAA ✓ Pass

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

RGB 73, 153, 232 Background



This preview shows how black text looks on a background with the RGB color 73, 153, 232.

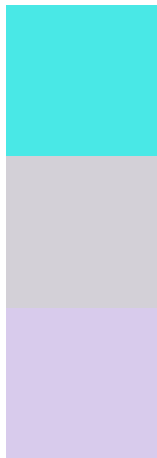


This preview shows how white text looks on a background with the RGB color 73, 153, 232.

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](#).

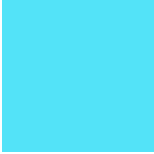
Dichromacy



Original Color
73, 153, 232

Protanopia
211, 208, 215

Deuteranopia
216, 203, 236



Tritanopia
83, 160, 248

Trichromacy



Original Color

73, 153, 232



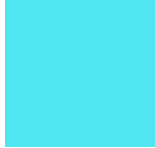
Protanomaly

161, 190, 220



Deuteranomaly

164, 193, 234



Tritanomaly

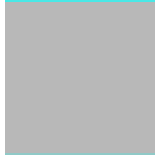
79, 157, 241

Monochromacy



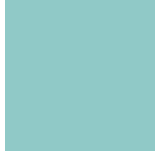
Original Color

73, 153, 232



Achromatopsia

184, 184, 184



Achromatomaly

144, 173, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 153, 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(73, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(73, 232, 230)  
}
```

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, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 232, 230) }
```

Border

The CSS property to change the border of an element to RYB 73, 153, 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(73, 232, 230) }
```

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

```
.border{ border-color:rgb(73, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(73, 232,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 73, 153, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 232, 230) }
```

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

```
.background{ background-color: rgb(73, 232,  
230) }
```

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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