Converting Colors

RYB(72, 156, 240)

Have a look what the booklet for RYB(72, 156, 240) contains.

Color

RYB(72, 156, 240)

Conversions

Conversions Part 1

Format	Color
Hex	48F0F0
RGB	72, 240, 240
RGB Percent	28%, 94%, 94%
CMY	0.7176, 0.0588, 0.0588
CMYK	0.70, 0.00, 0.00, 0.06
HSL	180°, 85%, 61%
HSV	180°, 70%, 94%
XYZ	49.5608, 69.9892, 93.3352
YIQ	189.7680, -100.1280, -35.6160

Conversions

Conversions Part 2

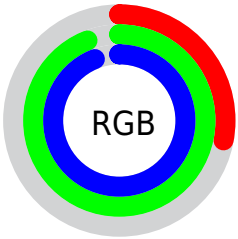
Format	Color
RYB	72, 156, 240
Decimal	4780272
CIELab	86.99, -41.49, -12.42
CIELCh	87, 43.305, 196.661
Yxy	69.9892, 0.2328, 0.3288
Android (android.graphics.Color)	4282970352 (0xFF48F0F0)
YUV	189.7680, 24.7644, -103.2825
Hunter-Lab	83.6595, -40.6590, -7.5855

Details

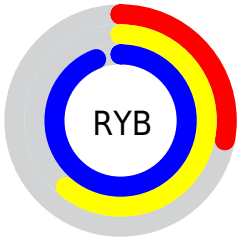
The RYB color 72, 156, 240 is a light color, and the websafe version is hex 66FFFF. The color can be described as light washed cyan. A complement of this color would be 240, 72, 72, and the grayscale version is 190, 190, 190.

A 20% lighter version of the original color is 143, 199, 255, and 0, 92, 184 is the 20% darker color. If you saturate the color by 10%, you get 48, 144, 240, and if you desaturate by 10%, it is 96, 168, 240.

Distribution

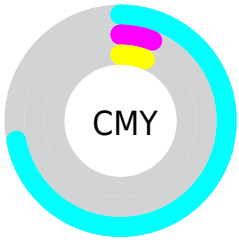


- Red (28%)
- Green (94%)
- Blue (94%)



- Red (28%)
- Yellow (61%)
- Blue (94%)

- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (72%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 156, 240 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 72, 156, 240 by changing the saturation by 10% instead.

72, 156, 240

255, 255, 255

143, 199, 255

175, 215, 255

207, 231, 255

238, 247, 255

72, 156, 240

5, 108, 212

0, 92, 184

0, 78, 157

0, 65, 131

0, 52, 106

0, 40, 82

0, 28, 59

0, 17, 37

0, 1, 16

72, 156, 240

48, 144, 240

24, 132, 240

0, 120, 240

72, 156, 240

96, 168, 240

120, 180, 240

144, 192, 240

168, 204, 240

192, 216, 240

216, 228, 240

240, 240, 240

255, 240, 240

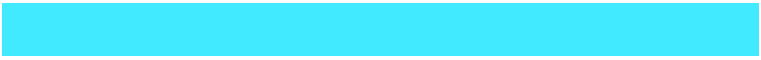
Harmonies

Analogous

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

124, 194, 239

72, 156, 240



66, 155, 255

Triad

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

72, 156, 240

251, 199, 255

214, 255, 138

Complementary

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

72, 156, 240

240, 72, 72

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, 215, 160

72, 156, 240

255, 188, 238

Square

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

72, 156, 240

196, 210, 255

255, 187, 196

138, 223, 139

Rectangle

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

72, 156, 240

106, 174, 255

255, 187, 196

237, 255, 143

Sweetspot

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

72, 156, 240

201, 228, 255

72, 240, 240

96, 112, 128

0, 0, 0

128, 128, 128

Same Dimension

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

72, 156, 240

41, 148, 255

72, 128, 240

108, 114, 120

0, 92, 184

0, 28, 56

Inverse Universe

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

240, 72, 240

255, 41, 255

240, 240, 72

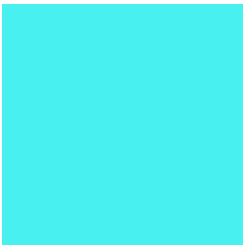
120, 108, 120

184, 0, 184

56, 0, 56

Previews

White Background

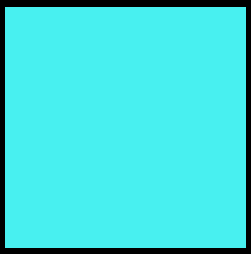


This preview shows how the RYB color 72, 156, 240 looks on a white background.

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



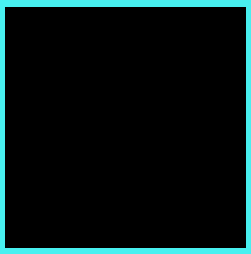
This preview shows how the RYB color 72, 156, 240 looks on a black background.

Color Contrast Check

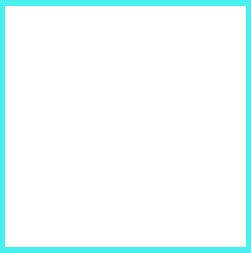
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 72, 156, 240 Background



This preview shows how black text looks on a background with the RYB color 72, 156, 240.



This preview shows how white text looks on a background with the RYB color 72, 156, 240.

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

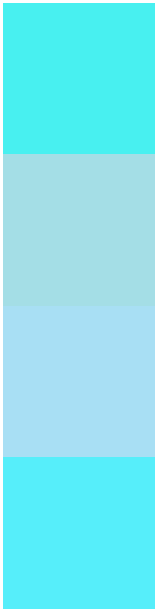
Original Color
72, 156, 240

Protanopia
217, 215, 225

Deuteranopia
223, 211, 246

Tritanopia
94, 169, 255

Trichromacy



Original Color
72, 156, 240

Protanomaly
164, 195, 230

Deuteranomaly
168, 200, 244

Tritanomaly
86, 165, 250

Monochromacy

Original Color
72, 156, 240

Achromatopsia
190, 190, 190

Achromatomaly
147, 178, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 156, 240 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(72, 240, 240) looks like.

```
.text, #text, p{
    color:rgb(72, 240, 240)
}
```

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(72, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 240, 240) }
```

Border

The CSS property to change the border of an element to RYB 72, 156, 240 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(72, 240, 240) }
```

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

```
.border{ border-color:rgb(72, 240, 240) }
```

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

Here you see how a box with a 4 pixel rgb(72, 240, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 240, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 240, 240); box-shadow:4px 4px 4px 4px rgb(72, 240, 240) }
```

Background

The CSS property to change the background color of an element to RYB 72, 156, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(72, 240, 240) }
```

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

```
.background{ background-color:rgb(72, 240,
240) }
```

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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