

Converting Colors

`RYB(40, 156, 253)`

Have a look what the booklet for RYB(40, 156, 253) contains.

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Color

`RYB(40, 156, 253)`

Conversions

Conversions Part 1

Format	Color
Hex	28FDDA
RGB	40, 253, 218
RGB Percent	16%, 99%, 85%
CMY	0.8431, 0.0078, 0.1447
CMYK	0.84, 0.00, 0.14, 0.01
HSL	170°, 98%, 57%
HSV	170°, 84%, 99%
XYZ	48.6699, 75.7695, 78.4664
YIQ	185.3230, -115.7130, -56.0410

Conversions

Conversions Part 2

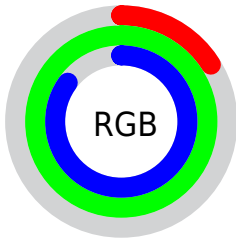
Format	Color
RYB	40, 156, 253
Decimal	2686426
CIELab	89.75, -55.81, 3.02
CIELCh	90, 55.894, 176.901
Yxy	75.7695, 0.2399, 0.3734
Android (android.graphics.Color)	4280876506 (0xFF28FDDA)
YUV	185.3230, 16.1098, -127.4483
Hunter-Lab	87.0457, -52.5251, 7.4856

Details

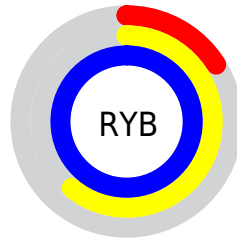
The RYB color **40, 156, 253** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **253, 40, 75**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **127, 191, 255**, and **0, 106, 195** is the 20% darker color. If you saturate the color by 10%, you get **15, 145, 253**, and if you desaturate by 10%, it is **65, 167, 253**.

Distribution



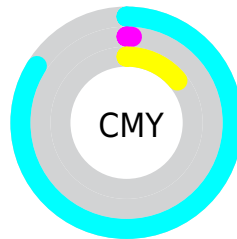
- Red (16%)
- Green (99%)
- Blue (85%)



- Red (16%)
- Yellow (61%)
- Blue (99%)



- Cyan (84%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)



















- Cyan (84%)
- Magenta (1%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 40, 156, 253 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 40, 156, 253 by changing the saturation by 10% instead.

 40, 156, 253	 40, 156, 253
 255, 255, 255	 0, 121, 224
 127, 191, 255	 0, 106, 195
 160, 208, 255	 0, 92, 167
 193, 224, 255	 0, 78, 140
 225, 240, 255	 0, 64, 113
	 0, 51, 88
	 0, 38, 63
	 0, 26, 40
	 0, 0, 0

■ 40, 156, 253

■ 40, 156, 253

■ 15, 145, 253

■ 65, 167, 253

■ 0, 138, 253

■ 91, 179, 253

■ 116, 190, 253

■ 141, 202, 253

■ 167, 214, 253

■ 192, 225, 253

■ 217, 237, 253

■ 242, 248, 253

255, 253, 255

Harmonies

Analogous

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



145, 231, 248



40, 156, 253



0, 127, 255

Triad

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



40, 156, 253



222, 214, 255



233, 255, 137

Complementary

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



40, 156, 253



253, 40, 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, 187, 180



40, 156, 253



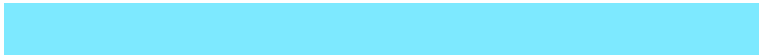
255, 194, 255

Square

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



40, 156, 253



125, 184, 255



255, 182, 233



162, 255, 117

Rectangle

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



40, 156, 253



0, 126, 255



255, 182, 233



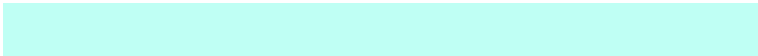
255, 232, 150

Sweetspot

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



40, 156, 253



191, 226, 255



40, 253, 218



89, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



40, 156, 253



0, 139, 255



40, 125, 253



115, 122, 128



0, 104, 191



0, 35, 64

Inverse Universe

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



253, 40, 75



255, 0, 42



253, 147, 40



128, 115, 117



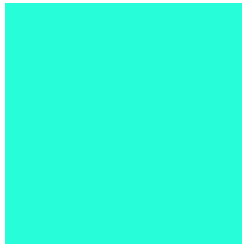
191, 0, 31



64, 0, 10

Previews

White Background



This preview shows how the RYB color 40, 156, 253 looks on a white background.

Color Contrast Check

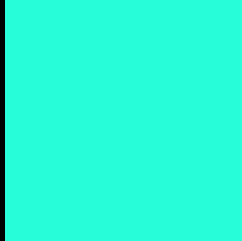
Large Text (above 18pt) WCAG AA × Fail

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 40, 156, 253 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

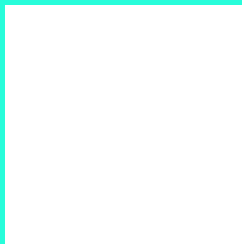
Any Text WCAG AAA ✓ Pass

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

RGB 40, 156, 253 Background



This preview shows how black text looks on a background with the RGB color 40, 156, 253.



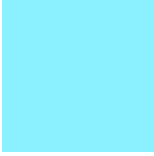
This preview shows how white text looks on a background with the RGB color 40, 156, 253.

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





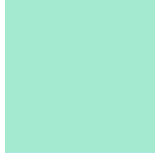
Tritanopia
139, 193, 255

Trichromacy



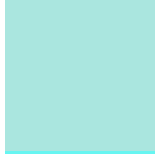
Original Color

40, 156, 253



Protanomaly

163, 206, 234



Deuteranomaly

170, 202, 230



Tritanomaly

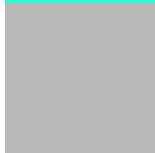
103, 175, 245

Monochromacy



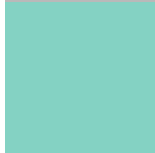
Original Color

40, 156, 253



Achromatopsia

185, 185, 185



Achromatomaly

132, 175, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 40, 156, 253 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(40, 253, 218)` looks like.

```
.text, #text, p{  
    color:rgb(40, 253, 218)  
}
```

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(40, 253, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 253, 218) }
```

Border

The CSS property to change the border of an element to RYB 40, 156, 253 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(40, 253, 218) }
```

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

```
.border{ border-color:rgb(40, 253, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 253, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 253, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 253, 218);  
box-shadow:4px 4px 4px 4px rgb(40, 253,  
218) }
```

Background

The CSS property to change the background color of an element to RYB 40, 156, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 253, 218) }
```

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

```
.background{ background-color: rgb(40, 253,  
218) }
```

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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