

Converting Colors

`RYB(42, 228, 201)`

Have a look what the booklet for
RYB(42, 228, 201) contains.

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Color

RYB(42, 228, 201)

Conversions

Conversions Part 1

Format	Color
Hex	45E42A
RGB	69, 228, 42
RGB Percent	27%, 89%, 16%
CMY	0.7294, 0.1059, 0.8353
CMYK	0.70, 0.00, 0.82, 0.11
HSL	111°, 78%, 53%
HSV	111°, 82%, 89%
XYZ	30.6156, 56.9192, 11.5634
YIQ	159.2550, -35.0580, -91.5540

Conversions

Conversions Part 2

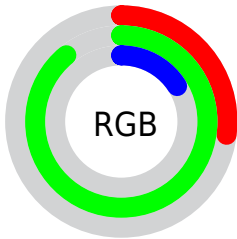
Format	Color
R_{YB}	42, 228, 201
Decimal	4580394
CIE _{Lab}	80.13, -71.63, 71.04
CIE _{LCh}	80, 100.879, 135.237
Yxy	56.9192, 0.3089, 0.5744
Android (android.graphics.Color)	4282770474 (0xFF45E42A)
YUV	159.2550, -57.8067, -79.1536
Hunter-Lab	75.4448, -59.5930, 43.7240

Details

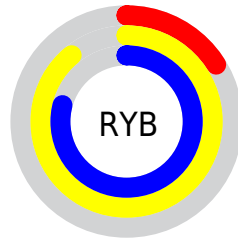
The RYB color **42, 228, 201** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **201, 42, 228**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **104, 255, 221**, and **0, 171, 171** is the 20% darker color. If you saturate the color by 10%, you get **19, 228, 197**, and if you desaturate by 10%, it is **65, 228, 205**.

Distribution



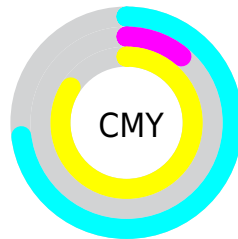
- Red (27%)
- Green (89%)
- Blue (16%)



- Red (16%)
- Yellow (89%)
- Blue (79%)



- Cyan (70%)
- Magenta (0%)
- Yellow (82%)
- Black (11%)




















- Cyan (73%)
- Magenta (11%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the RYB color 42, 228, 201 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 42, 228, 201 by changing the saturation by 10% instead.

 42, 228, 201	 42, 228, 201
255, 255, 255	 0, 199, 192
 104, 255, 221	 0, 171, 171
 133, 255, 218	 0, 143, 143
 162, 255, 216	 0, 116, 116
 190, 255, 212	 0, 90, 90
 220, 255, 220	 0, 65, 65
 250, 255, 250	 0, 40, 40
	 0, 1, 1
	 0, 0, 0

■ 42, 228, 201

■ 42, 228, 201

■ 19, 228, 197

■ 65, 228, 205

■ 0, 228, 195

■ 88, 228, 208

■ 110, 228, 211

■ 133, 228, 214

■ 156, 228, 218

■ 179, 228, 221

■ 202, 228, 225

■ 224, 228, 227

■ 244, 228, 247

Harmonies

Analogous

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



0, 209, 15



42, 228, 201



0, 146, 237

Triad

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



42, 228, 201



0, 119, 255



255, 87, 155

Complementary

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



42, 228, 201



201, 42, 228

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, 97, 249



42, 228, 201



3, 112, 255

Square

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



42, 228, 201



0, 123, 255



255, 148, 255



255, 168, 65

Rectangle

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



42, 228, 201



0, 127, 240



255, 148, 255



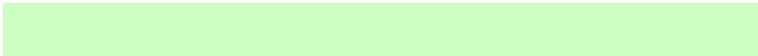
255, 82, 186

Sweetspot

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



42, 228, 201



194, 255, 246



75, 228, 42



91, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



42, 228, 201



5, 255, 219



42, 180, 228



103, 115, 113



0, 179, 153



0, 51, 44

Inverse Universe

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



201, 42, 228



219, 5, 255



228, 42, 163



113, 103, 115



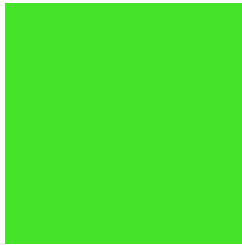
153, 0, 179



44, 0, 51

Previews

White Background



This preview shows how the RYB color 42, 228, 201 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 42, 228, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

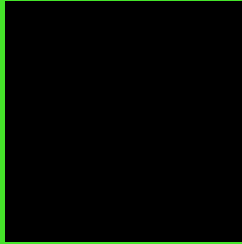
Any Text WCAG AA ✓ Pass

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 42, 228, 201 Background



This preview shows how black text looks on a background with the RGB color 42, 228, 201.



This preview shows how white text looks on a background with the RGB color 42, 228, 201.

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

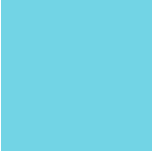
42, 228, 201

Protanopia

63, 222, 34

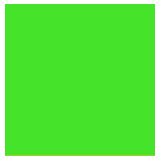
Deuteranopia

152, 247, 63



Tritanopia
114, 167, 229

Trichromacy



Original Color

42, 228, 201



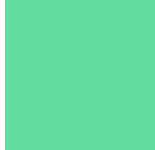
Protanomaly

37, 208, 79



Deuteranomaly

55, 202, 75



Tritanomaly

98, 177, 218

Monochromacy



Original Color

42, 228, 201



Achromatopsia

159, 159, 159



Achromatomaly

116, 184, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 42, 228, 201 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(69, 228, 42)` looks like.

```
.text, #text, p{  
    color:rgb(69, 228, 42)  
}
```

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(69, 228, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 228, 42) }
```

Border

The CSS property to change the border of an element to RYB 42, 228, 201 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(69, 228, 42) }
```

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

```
.border{ border-color:rgb(69, 228, 42) }
```

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

Here you see how a box with a 4 pixel rgb(69, 228, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 228, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 228, 42);  
box-shadow:4px 4px 4px 4px rgb(69, 228,  
42) }
```

Background

The CSS property to change the background color of an element to RYB 42, 228, 201 is called "background".

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

```
.background, #background, body{  
background: rgb(69, 228, 42) }
```

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

```
.background{ background-color: rgb(69, 228,  
42) }
```

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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