

Converting Colors

`RYB(40, 215, 205)`

Have a look what the booklet for
RYB(40, 215, 205) contains.

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Color

RYB(40, 215, 205)

Conversions

Conversions Part 1

Format	Color
Hex	32D728
RGB	50, 215, 40
RGB Percent	20%, 84%, 16%
CMY	0.8039, 0.1569, 0.8431
CMYK	0.77, 0.00, 0.81, 0.16
HSL	117°, 69%, 50%
HSV	117°, 81%, 84%
XYZ	25.9988, 49.4322, 10.1786
YIQ	145.7150, -42.1650, -89.4050

Conversions

Conversions Part 2

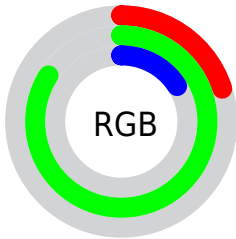
Format	Color
RYB	40, 215, 205
Decimal	3331880
CIELab	75.72, -70.77, 67.37
CIELCh	76, 97.709, 136.412
Yxy	49.4322, 0.3037, 0.5774
Android (android.graphics.Color)	4281521960 (0xFF32D728)
YUV	145.7150, -52.1175, -83.9421
Hunter-Lab	70.3080, -57.0325, 40.6321

Details

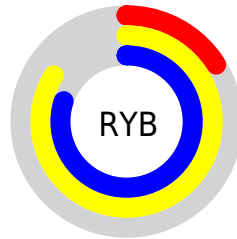
The RYB color **40, 215, 205** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **205, 40, 215**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **101, 255, 232**, and **0, 159, 159** is the 20% darker color. If you saturate the color by 10%, you get **19, 215, 204**, and if you desaturate by 10%, it is **62, 215, 207**.

Distribution



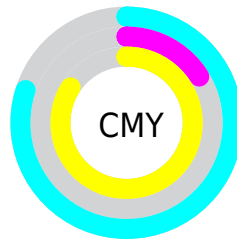
- Red (20%)
- Green (84%)
- Blue (16%)



- Red (16%)
- Yellow (84%)
- Blue (80%)



- Cyan (77%)
- Magenta (0%)
- Yellow (81%)
- Black (16%)



- Cyan (80%)
- Magenta (16%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the RYB color 40, 215, 205 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, 215, 205 by changing the saturation by 10% instead.

 40, 215, 205

 40, 215, 205

255, 255, 255

 0, 186, 186

 101, 255, 232

 0, 159, 159

 129, 255, 228

 0, 131, 131

 158, 255, 226

 0, 105, 105

 186, 255, 223

 0, 79, 79

 215, 255, 221

 0, 55, 55

 245, 255, 245

 0, 28, 28

 0, 0, 0

 40, 215, 205

 40, 215, 205

■ 19, 215, 204

■ 62, 215, 207

■ 0, 215, 203

■ 83, 215, 207

■ 105, 215, 209

■ 126, 215, 210

■ 148, 215, 212

■ 169, 215, 212

■ 191, 215, 214

■ 212, 215, 215

■ 232, 215, 234

Harmonies

Analogous

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



0, 198, 20



40, 215, 205



0, 137, 223

Triad

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



40, 215, 205



0, 115, 255



255, 79, 142

Complementary

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



40, 215, 205



205, 40, 215

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, 86, 232



40, 215, 205



39, 125, 255

Square

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



40, 215, 205



0, 119, 255



250, 136, 255



255, 161, 54

Rectangle

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



40, 215, 205



0, 119, 226



250, 136, 255



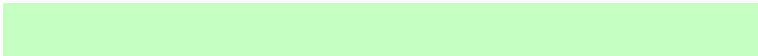
255, 72, 171

Sweetspot

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



40, 215, 205



194, 255, 252



53, 215, 40



91, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



40, 215, 205



5, 255, 241



40, 162, 215



96, 107, 106



0, 171, 161



0, 43, 41

Inverse Universe

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



205, 40, 215



241, 5, 255



215, 40, 139



106, 96, 107



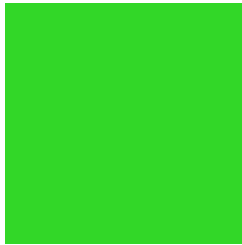
161, 0, 171



41, 0, 43

Previews

White Background



This preview shows how the RYB color 40, 215, 205 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, 215, 205 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](#).

RYP 40, 215, 205 Background



This preview shows how black text looks on a background with the RYP color 40, 215, 205.



This preview shows how white text looks on a background with the RYP color 40, 215, 205.

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
40, 215, 205

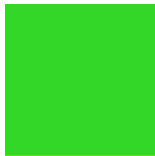
Protanopia
58, 208, 32

Deuteranopia
141, 231, 60



Tritanopia
100, 154, 216

Trichromacy



Original Color

40, 215, 205



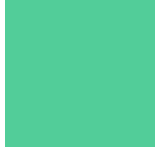
Protanomaly

35, 196, 80



Deuteranomaly

53, 190, 78



Tritanomaly

82, 160, 205

Monochromacy



Original Color

40, 215, 205



Achromatopsia

146, 146, 146



Achromatomaly

107, 171, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 40, 215, 205 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(50, 215, 40)` looks like.

```
.text, #text, p{  
    color:rgb(50, 215, 40)  
}
```

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(50, 215, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 215, 40) }
```

Border

The CSS property to change the border of an element to RYB 40, 215, 205 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(50, 215, 40) }
```

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

```
.border{ border-color:rgb(50, 215, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 215, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 215, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 215, 40);  
box-shadow:4px 4px 4px 4px rgb(50, 215,  
40) }
```

Background

The CSS property to change the background color of an element to RYB 40, 215, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 215, 40) }
```

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

```
.background{ background-color: rgb(50, 215,  
40) }
```

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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