

Converting Colors

`RYB(53, 142, 121)`

Have a look what the booklet for
RYB(53, 142, 121) contains.

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Color

`RYB(53, 142, 121)`

Conversions

Conversions Part 1

Format	Color
Hex	4A8E35
RGB	74, 142, 53
RGB Percent	29%, 56%, 21%
CMY	0.7098, 0.4431, 0.7922
CMYK	0.48, 0.00, 0.63, 0.44
HSL	106°, 46%, 38%
HSV	106°, 63%, 56%
XYZ	13.1396, 21.0589, 6.7404
YIQ	111.5220, -11.9590, -42.0950

Conversions

Conversions Part 2

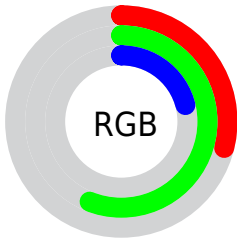
Format	Color
RYB	53, 142, 121
Decimal	4886069
CIELab	53.01, -38.94, 39.87
CIELCh	53, 55.732, 134.322
Yxy	21.0589, 0.3210, 0.5144
Android (android.graphics.Color)	4283076149 (0xFF4A8E35)
YUV	111.5220, -28.8513, -32.9068
Hunter-Lab	45.8900, -29.1976, 23.4144

Details

The RYB color **53, 142, 121** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **121, 53, 142**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **103, 196, 171**, and **0, 91, 78** is the 20% darker color. If you saturate the color by 10%, you get **39, 142, 118**, and if you desaturate by 10%, it is **67, 142, 124**.

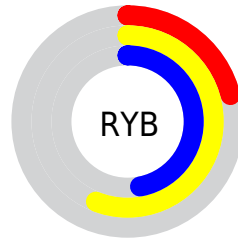
Distribution



Red (29%)

Green (56%)

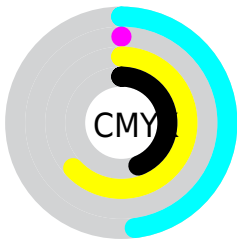
Blue (21%)



Red (21%)

Yellow (56%)

Blue (47%)

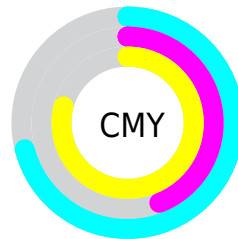


Cyan (48%)

Magenta (0%)

Yellow (63%)

Black (44%)



Cyan (71%)


Magenta (44%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the RYB color 53, 142, 121 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 53, 142, 121 by changing the saturation by 10% instead.

 53, 142, 121  53, 142, 121

255, 255, 255  28, 116, 97

 103, 196, 171  0, 91, 78

 129, 225, 199  0, 67, 67

 156, 253, 226  0, 44, 44

 183, 255, 226  0, 18, 18

 211, 255, 225  0, 0, 0

 240, 255, 240

 53, 142, 121  53, 142, 121

 39, 142, 118  67, 142, 124

■ 25, 142, 115

■ 81, 142, 127

■ 10, 142, 111

■ 96, 142, 131

■ 0, 142, 108

■ 110, 142, 135

■ 124, 142, 138

■ 138, 142, 141

■ 150, 142, 152

■ 161, 142, 167

■ 172, 142, 181

Harmonies

Analogous

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



18, 131, 20



53, 142, 121



0, 89, 148

Triad

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



53, 142, 121



0, 85, 219



213, 81, 106

Complementary

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



53, 142, 121



121, 53, 142

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.



200, 84, 154



53, 142, 121



74, 111, 220

Square

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



53, 142, 121



0, 83, 193



158, 104, 196



202, 106, 61

Rectangle

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



53, 142, 121



0, 79, 149



158, 104, 196



212, 80, 122

Sweetspot

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



53, 142, 121



149, 184, 176



82, 142, 53



71, 92, 87



219, 219, 219



92, 92, 92

Same Dimension

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



53, 142, 121



46, 184, 152



53, 124, 142



64, 71, 69



0, 135, 103



0, 8, 6

Inverse Universe

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



121, 53, 142



151, 46, 184



142, 53, 120



70, 64, 71



103, 0, 135



6, 0, 8

Previews

White Background



This preview shows how the RYB color 53, 142, 121 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 142, 121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

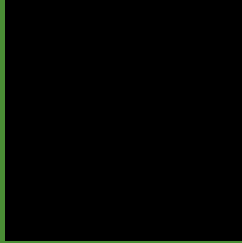
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 53, 142, 121 Background



This preview shows how black text looks on a background with the RYB color 53, 142, 121.



This preview shows how white text looks on a background with the RYB color 53, 142, 121.

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


53, 142, 121

Protanopia

65, 140, 48

Deuteranopia

115, 155, 60



Tritanopia
91, 114, 144

Trichromacy



Original Color
53, 142, 121

Protanomaly
50, 132, 66

Deuteranomaly
57, 128, 59

Tritanomaly
85, 119, 136

Monochromacy



Original Color
53, 142, 121

Achromatopsia
112, 112, 112

Achromatomaly
91, 123, 116

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 142, 121 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(74, 142, 53)` looks like.

```
.text, #text, p{  
    color:rgb(74, 142, 53)  
}
```

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(74, 142, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 142, 53) }
```

Border

The CSS property to change the border of an element to RYB 53, 142, 121 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(74, 142, 53) }
```

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

```
.border{ border-color:rgb(74, 142, 53) }
```

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

Here you see how a box with a 4 pixel rgb(74, 142, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 142, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 142, 53);  
box-shadow:4px 4px 4px 4px rgb(74, 142,  
53) }
```

Background

The CSS property to change the background color of an element to RYB 53, 142, 121 is called "background".

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

```
.background, #background, body{  
background: rgb(74, 142, 53) }
```

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

```
.background{ background-color: rgb(74, 142,  
53) }
```

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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