

Converting Colors

`RYB(90, 171, 146)`

Have a look what the booklet for
RYB(90, 171, 146) contains.

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Color

R_YB(90, 171, 146)

Conversions

Conversions Part 1

Format	Color
Hex	73AB5A
RGB	115, 171, 90
RGB Percent	45%, 67%, 35%
CMY	0.5490, 0.3294, 0.6471
CMYK	0.33, 0.00, 0.47, 0.33
HSL	101°, 33%, 51%
HSV	101°, 47%, 67%
XYZ	23.4786, 33.5088, 14.9033
YIQ	145.0220, -7.3750, -37.0630

Conversions

Conversions Part 2

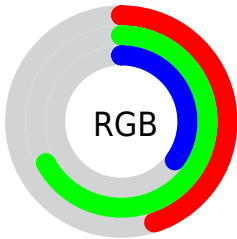
Format	Color
RYB	90, 171, 146
Decimal	7580506
CIELab	64.57, -33.56, 35.84
CIELCh	65, 49.105, 133.118
Yxy	33.5088, 0.3266, 0.4661
Android (android.graphics.Color)	4285770586 (0xFF73AB5A)
YUV	145.0220, -27.1258, -26.3293
Hunter-Lab	57.8868, -28.9032, 25.2563

Details

The RYB color **90, 171, 146** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **146, 90, 171**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **142, 227, 200**, and **41, 118, 96** is the 20% darker color. If you saturate the color by 10%, you get **73, 171, 141**, and if you desaturate by 10%, it is **107, 171, 151**.

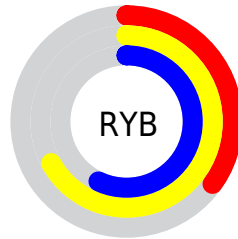
Distribution



Red (45%)

Green (67%)

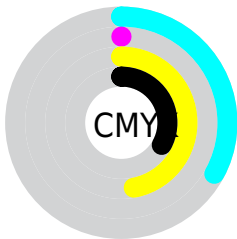
Blue (35%)



Red (35%)

Yellow (67%)

Blue (57%)

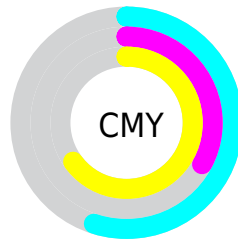


Cyan (33%)

Magenta (0%)

Yellow (47%)

Black (33%)



Cyan (55%)

Magenta (33%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 171, 146 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 90, 171, 146 by changing the saturation by 10% instead.



90, 171, 146



90, 171, 146

255, 255, 255



65, 144, 120



142, 227, 200



41, 118, 96



168, 255, 226



16, 93, 73



196, 255, 225



0, 69, 64



224, 255, 224



0, 46, 46



253, 255, 253



0, 25, 25



0, 0, 0



90, 171, 146




90, 171, 146





73, 171, 141





107, 171, 151

 56, 171, 136

 124, 171, 156

 39, 171, 130

 141, 171, 162


 22, 171, 125

 158, 171, 167


 5, 171, 120


 174, 171, 175

 0, 171, 118

 186, 171, 193

 198, 171, 210

 210, 171, 227

 221, 171, 244

Harmonies

Analogous

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



71, 164, 67



90, 171, 146



39, 122, 177

Triad

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



90, 171, 146



0, 99, 240



239, 119, 139

Complementary

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



90, 171, 146



146, 90, 171

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.



225, 123, 183



90, 171, 146



117, 146, 242

Square

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



90, 171, 146



0, 97, 215



185, 137, 221



230, 138, 99

Rectangle

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



90, 171, 146



0, 95, 179



185, 137, 221



237, 119, 154

Sweetspot

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



90, 171, 146



191, 222, 213



128, 171, 90



93, 112, 106



240, 240, 240



112, 112, 112

Same Dimension

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



90, 171, 146



95, 222, 183



90, 158, 171



78, 87, 84



0, 150, 104



0, 23, 16

Inverse Universe

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



146, 90, 171



183, 95, 222



171, 90, 156



84, 78, 87



104, 0, 150



16, 0, 23

Previews

White Background



This preview shows how the RYB color 90, 171, 146 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 90, 171, 146 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](#).

R Y B 90, 171, 146 Background



This preview shows how black text looks on a background with the RYB color 90, 171, 146.



This preview shows how white text looks on a background with the RYB color 90, 171, 146.

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
90, 171, 146

Protanopia
105, 172, 85

Deuteranopia
165, 189, 95



Tritanopia
129, 148, 174

Trichromacy



Original Color

90, 171, 146

Protanomaly

87, 161, 97

Deuteranomaly

98, 162, 93

Tritanomaly

124, 152, 165

Monochromacy



Original Color

90, 171, 146

Achromatopsia

145, 145, 145

Achromatomaly

125, 154, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 171, 146 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(115, 171, 90)` looks like.

```
.text, #text, p{  
    color:rgb(115, 171, 90)  
}
```

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(115, 171, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 171, 90) }
```

Border

The CSS property to change the border of an element to RYB 90, 171, 146 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(115, 171, 90) }
```

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

```
.border{ border-color:rgb(115, 171, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 171, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 171, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 171, 90);  
box-shadow:4px 4px 4px 4px rgb(115, 171,  
90) }
```

Background

The CSS property to change the background color of an element to RGB 90, 171, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 171, 90) }
```

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

```
.background{ background-color: rgb(115,  
171, 90) }
```

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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