

Converting Colors

`RYB(46, 129, 162)`

Have a look what the booklet for
RYB(46, 129, 162) contains.

RYB(46, 129, 162)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(46, 129, 162)

Conversions

Conversions Part 1

Format	Color
Hex	2EA25C
RGB	46, 162, 92
RGB Percent	18%, 64%, 36%
CMY	0.8196, 0.3647, 0.6387
CMYK	0.72, 0.00, 0.43, 0.36
HSL	144°, 56%, 41%
HSV	144°, 72%, 64%
XYZ	15.9841, 27.1963, 14.5598
YIQ	119.3360, -46.6660, -46.3620

Conversions

Conversions Part 2

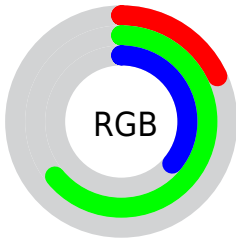
Format	Color
RYB	46, 129, 162
Decimal	3056220
CIELab	59.16, -47.96, 27.31
CIElCh	59, 55.189, 150.346
Yxy	27.1963, 0.2768, 0.4710
Android (android.graphics.Color)	4281246300 (0xFF2EA25C)
YUV	119.3360, -13.4766, -64.3157
Hunter-Lab	52.1501, -36.5521, 19.9518

Details

The RYB color **46, 129, 162** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **162, 46, 116**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **108, 191, 218**, and **0, 78, 109** is the 20% darker color. If you saturate the color by 10%, you get **30, 125, 162**, and if you desaturate by 10%, it is **62, 133, 162**.

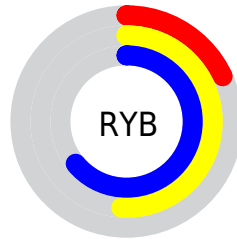
Distribution



Red (18%)

Green (64%)

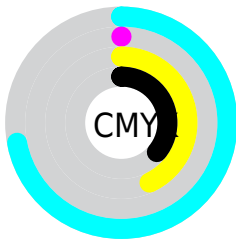
Blue (36%)



Red (18%)

Yellow (51%)

Blue (64%)

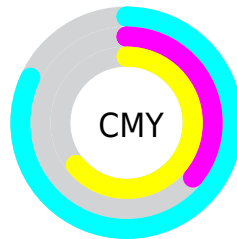


Cyan (72%)

Magenta (0%)

Yellow (43%)

Black (36%)



Cyan (82%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the RYB color 46, 129, 162 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 46, 129, 162 by changing the saturation by 10% instead.



46, 129, 162



46, 129, 162

255, 255, 255



0, 90, 135



108, 191, 218



0, 77, 109



136, 221, 247



0, 67, 84



165, 231, 255



0, 59, 59



194, 234, 255



0, 38, 38



224, 240, 255



0, 0, 0

254, 255, 255



46, 129, 162




46, 129, 162




30, 125, 162





62, 133, 162

 14, 120, 162


 78, 138, 162

 0, 116, 162

 95, 143, 162

 111, 148, 162

 127, 152, 162

 143, 156, 162

 159, 161, 162

 176, 162, 170

 192, 162, 180

Harmonies

Analogous

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



52, 154, 87



46, 129, 162



0, 90, 166

Triad

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



46, 129, 162



0, 91, 239



228, 105, 96

Complementary

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



46, 129, 162



162, 46, 116

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.



228, 98, 144



46, 129, 162



144, 129, 226

Square

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



46, 129, 162



0, 94, 226



202, 109, 191



205, 173, 57

Rectangle

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



46, 129, 162



0, 85, 175



202, 109, 191



231, 100, 112

Sweetspot

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



46, 129, 162



167, 199, 212



46, 162, 90



80, 99, 107



235, 235, 235



107, 107, 107

Same Dimension

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



46, 129, 162



30, 160, 212



46, 108, 162



73, 79, 82



0, 104, 145



0, 13, 18

Inverse Universe

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



162, 46, 116



212, 30, 139



162, 46, 60



82, 73, 78



145, 0, 88



18, 0, 11

Previews

White Background



This preview shows how the RYB color 46, 129, 162 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 46, 129, 162 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](#).

RGB 46, 129, 162 Background



This preview shows how black text looks on a background with the RGB color 46, 129, 162.

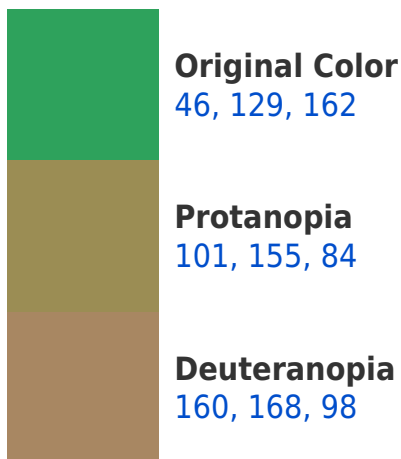



This preview shows how white text looks on a background with the RGB color 46, 129, 162.

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
73, 116, 166

Trichromacy



Original Color

46, 129, 162



Protanomaly

87, 149, 121



Deuteranomaly

96, 145, 117



Tritanomaly

63, 114, 156

Monochromacy



Original Color

46, 129, 162



Achromatopsia

119, 119, 119



Achromatomaly

92, 123, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 46, 129, 162 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(46, 162, 92)` looks like.

```
.text, #text, p{  
    color:rgb(46, 162, 92)  
}
```

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(46, 162, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 162, 92) }
```

Border

The CSS property to change the border of an element to RYB 46, 129, 162 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(46, 162, 92) }
```

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

```
.border{ border-color:rgb(46, 162, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 162, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 162, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 162, 92);  
box-shadow:4px 4px 4px 4px rgb(46, 162,  
92) }
```

Background

The CSS property to change the background color of an element to RYB 46, 129, 162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 162, 92) }
```

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

```
.background{ background-color: rgb(46, 162,  
92) }
```

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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