

Converting Colors

`RYB(46, 116, 204)`

Have a look what the booklet for
RYB(46, 116, 204) contains.

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Color

R_YB(46, 116, 204)

Conversions

Conversions Part 1

Format	Color
Hex	2EACCC
RGB	46, 172, 204
RGB Percent	18%, 67%, 80%
CMY	0.8196, 0.3267, 0.2000
CMYK	0.77, 0.16, 0.00, 0.20
HSL	192°, 63%, 49%
HSV	192°, 77%, 80%
XYZ	26.7178, 34.3245, 62.3439
YIQ	137.9740, -85.3680, -16.7600

Conversions

Conversions Part 2

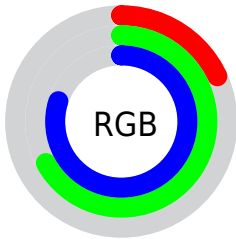
Format	Color
R _Y B	46, 116, 204
Decimal	3058892
CIE Lab	65.22, -22.55, -26.04
CIE LCh	65, 34.448, 229.113
Yxy	34.3245, 0.2165, 0.2782
Android (android.graphics.Color)	4281248972 (0xFF2EACCC)
YUV	137.9740, 32.5508, -80.6612
Hunter-Lab	58.5872, -21.1252, -22.0808

Details

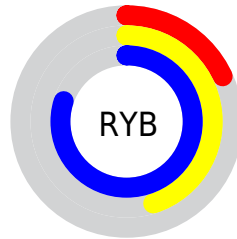
The RYB color **46, 116, 204** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **204, 86, 46**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **117, 179, 255**, and **0, 66, 150** is the 20% darker color. If you saturate the color by 10%, you get **26, 105, 204**, and if you desaturate by 10%, it is **66, 127, 204**.

Distribution



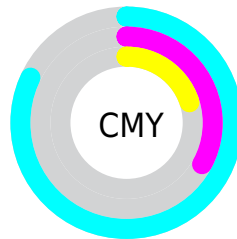
- Red (18%)
- Green (67%)
- Blue (80%)



- Red (18%)
- Yellow (45%)
- Blue (80%)



- Cyan (77%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)




















- Cyan (82%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 46, 116, 204 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, 116, 204 by changing the saturation by 10% instead.

 46, 116, 204	 46, 116, 204
 255, 255, 255	 0, 80, 176
 117, 178, 255	 0, 66, 150
 147, 201, 255	 0, 53, 124
 178, 217, 255	 0, 41, 99
 208, 232, 255	 0, 29, 75
 239, 247, 255	 0, 19, 52
	 0, 2, 31
	 0, 0, 1
	 0, 0, 0

■ 46, 116, 204

■ 46, 116, 204

■ 26, 105, 204

■ 66, 127, 204

■ 5, 93, 204

■ 87, 139, 204

■ 0, 90, 204

■ 107, 150, 204

■ 128, 162, 204

■ 148, 173, 204

■ 168, 184, 204

■ 189, 196, 204

■ 209, 205, 204

■ 230, 210, 204

Harmonies

Analogous

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



45, 110, 177



46, 116, 204



95, 140, 218

Triad

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



46, 116, 204



211, 136, 171



99, 163, 103

Complementary

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



46, 116, 204



204, 86, 46

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.



158, 189, 98



46, 116, 204



219, 135, 140

Square

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



46, 116, 204



186, 143, 199



210, 154, 113



117, 170, 163

Rectangle

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



46, 116, 204



130, 151, 219



210, 154, 113



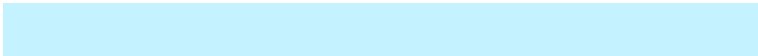
110, 170, 97

Sweetspot

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



46, 116, 204



196, 222, 255



46, 177, 204



92, 108, 128



0, 0, 0



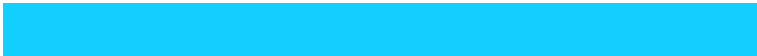
128, 128, 128

Same Dimension

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



46, 116, 204



18, 123, 255



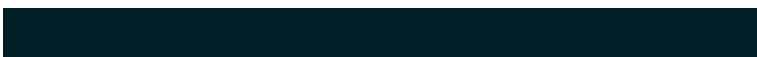
46, 82, 204



92, 96, 102



0, 74, 166



0, 17, 38

Inverse Universe

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



204, 46, 172



255, 18, 206



113, 204, 46



102, 92, 100



166, 0, 132



38, 0, 30

Previews

White Background



This preview shows how the RYB color 46, 116, 204 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 46, 116, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

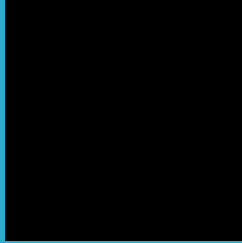
Any Text WCAG AA ✓ Pass

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](#).

RYB 46, 116, 204 Background



This preview shows how black text looks on a background with the RYB color 46, 116, 204.

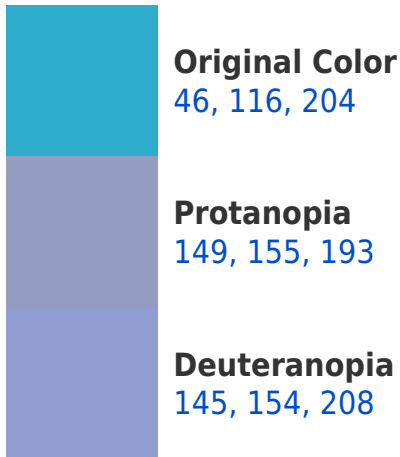


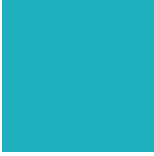
This preview shows how white text looks on a background with the RYB color 46, 116, 204.

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
30, 106, 189

Trichromacy



Original Color

46, 116, 204



Protanomaly

112, 143, 197



Deuteranomaly

109, 143, 207



Tritanomaly

36, 109, 194

Monochromacy



Original Color

46, 116, 204



Achromatopsia

138, 138, 138



Achromatomaly

105, 130, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 46, 116, 204 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, 172, 204)` looks like.

```
.text, #text, p{  
    color:rgb(46, 172, 204)  
}
```

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, 172, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 172, 204) }
```

Border

The CSS property to change the border of an element to RYB 46, 116, 204 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, 172, 204) }
```

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

```
.border{ border-color:rgb(46, 172, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 172, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 172, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 172, 204);  
box-shadow:4px 4px 4px 4px rgb(46, 172,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 46, 116, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 172, 204) }
```

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

```
.background{ background-color: rgb(46, 172,  
204) }
```

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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