

Converting Colors

RGB(46, 97, 183)

Have a look what the booklet for
RGB(46, 97, 183) contains.

RGB(46, 97, 183)	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

RGB(46, 97, 183)

Conversions

Conversions Part 1

Format	Color
Hex	2E61B7
RGB	46, 97, 183
RGB Percent	18%, 38%, 72%
CMY	0.8196, 0.6196, 0.2824
CMYK	0.75, 0.47, 0.00, 0.28
HSL	218°, 60%, 45%
HSV	218°, 75%, 72%
XYZ	13.9487, 12.5491, 46.4868
YIQ	91.5550, -58.0020, 15.9340

Conversions

Conversions Part 2

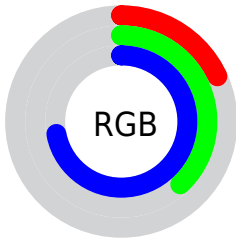
Format	Color
R_{YB}	46, 83, 183
Decimal	3039671
CIE _{Lab}	42.08, 13.41, -50.47
CIE _{LCh}	42, 52.218, 284.878
Yxy	12.5491, 0.1911, 0.1719
Android (android.graphics.Color)	4281229751 (0xFF2E61B7)
YUV	91.5550, 45.0824, -39.9517
Hunter-Lab	35.4247, 8.2919, -53.0071

Details

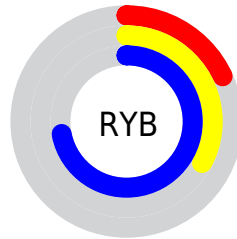
The RGB color **46, 97, 183** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **183, 132, 46**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **110, 147, 240**, and **0, 52, 129** is the 20% darker color. If you saturate the color by 10%, you get **28, 86, 183**, and if you desaturate by 10%, it is **64, 108, 183**.

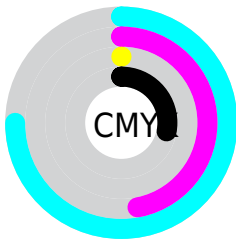
Distribution



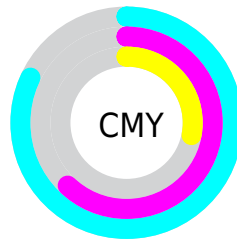
- Red (18%)
- Green (38%)
- Blue (72%)



- Red (18%)
- Yellow (33%)
- Blue (72%)



- Cyan (75%)
- Magenta (47%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (62%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RGB color 46, 97, 183 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 RGB color 46, 97, 183 by changing the saturation by 10% instead.

 46, 97, 183


 46, 97, 183

255, 255, 255

 0, 74, 156

 110, 147, 240

 0, 52, 129

 140, 173, 255

 0, 32, 104

 169, 201, 255

 0, 7, 79

 199, 229, 255

 0, 5, 55

 228, 255, 255

 0, 2, 33

 0, 0, 6

 0, 0, 0

 46, 97, 183

 46, 97, 183

■ 28, 86, 183

■ 64, 108, 183

■ 9, 74, 183

■ 83, 120, 183

■ 0, 68, 183

■ 101, 131, 183

■ 119, 143, 183

■ 138, 154, 183

■ 156, 166, 183

■ 174, 177, 183

■ 192, 189, 183

■ 211, 200, 183

Harmonies

Analogous

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



0, 110, 183



46, 97, 183



128, 78, 161

Triad

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



46, 97, 183



165, 70, 40



0, 118, 75

Complementary

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



46, 97, 183



183, 132, 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.



48, 113, 32



46, 97, 183



137, 89, 0

Square

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



46, 97, 183



176, 55, 80



100, 104, 0



0, 119, 120

Rectangle

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



46, 97, 183



156, 64, 137



100, 104, 0



0, 117, 61

Sweetspot

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



46, 97, 183



185, 204, 237



46, 183, 130



89, 100, 120



247, 247, 247



120, 120, 120

Same Dimension

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



46, 97, 183



24, 103, 237



62, 46, 183



83, 86, 92



0, 58, 156



0, 10, 28

Inverse Universe

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



183, 46, 97



237, 24, 103



167, 183, 46



92, 83, 86



156, 0, 58



28, 0, 10

Previews

White Background



This preview shows how the RGB color 46, 97, 183 looks on a white 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

Black Background



This preview shows how the RGB color 46, 97, 183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

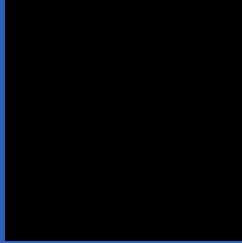
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 46, 97, 183 Background



This preview shows how black text looks on a background with the RGB color 46, 97, 183.

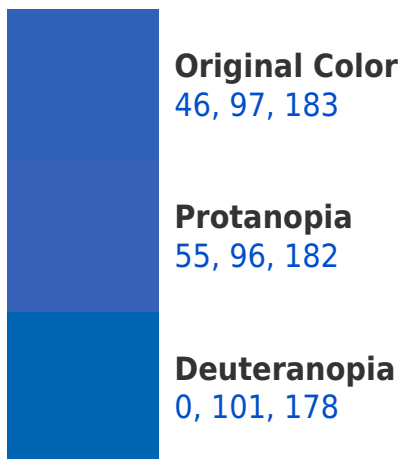


This preview shows how white text looks on a background with the RGB color 46, 97, 183.

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
0, 110, 118

Trichromacy



Original Color
46, 97, 183

Protanomaly
52, 96, 182

Deuteranomaly
17, 100, 180

Tritanomaly
17, 105, 142

Monochromacy



Original Color
46, 97, 183

Achromatopsia
92, 92, 92

Achromatomaly
75, 94, 125

CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 97, 183 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, 97, 183)` looks like.

```
.text, #text, p{  
    color:rgb(46, 97, 183)  
}
```

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, 97, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 97, 183) }
```

Border

The CSS property to change the border of an element to RGB 46, 97, 183 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, 97, 183) }
```

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

```
.border{ border-color:rgb(46, 97, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 97, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 97, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 97, 183);  
box-shadow:4px 4px 4px 4px rgb(46, 97,  
183) }
```

Background

The CSS property to change the background color of an element to RGB 46, 97, 183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 97, 183) }
```

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

```
.background{ background-color: rgb(46, 97,  
183) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor