

Converting Colors

RGB(46, 119, 177)

Have a look what the booklet for
RGB(46, 119, 177) contains.

RGB(46, 119, 177)	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, 119, 177)

Conversions

Conversions Part 1

Format	Color
Hex	2E77B1
RGB	46, 119, 177
RGB Percent	18%, 47%, 69%
CMY	0.8196, 0.5333, 0.3059
CMYK	0.74, 0.33, 0.00, 0.31
HSL	207°, 59%, 44%
HSV	207°, 74%, 69%
XYZ	15.6594, 16.9488, 44.0411
YIQ	103.7850, -62.1260, 2.5620

Conversions

Conversions Part 2

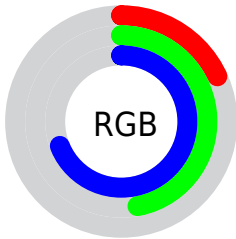
Format	Color
RYB	46, 93, 177
Decimal	3045297
CIELab	48.20, -2.60, -37.23
CIELCh	48, 37.318, 266.004
Yxy	16.9488, 0.2043, 0.2211
Android (android.graphics.Color)	4281235377 (0xFF2E77B1)
YUV	103.7850, 36.0950, -50.6774
Hunter-Lab	41.1689, -4.1499, -34.6081

Details

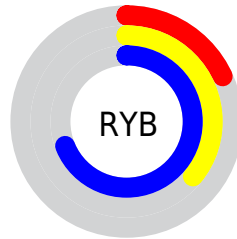
The RGB color **46, 119, 177** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **177, 104, 46**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **109, 171, 233**, and **0, 71, 124** is the 20% darker color. If you saturate the color by 10%, you get **28, 111, 177**, and if you desaturate by 10%, it is **64, 127, 177**.

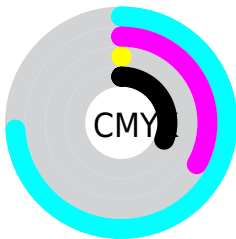
Distribution



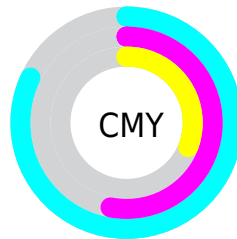
- Red (18%)
- Green (47%)
- Blue (69%)



- Red (18%)
- Yellow (36%)
- Blue (69%)



- Cyan (74%)
- Magenta (33%)
- Yellow (0%)
- Black (31%)



- Cyan (82%)
- Magenta (53%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the RGB color 46, 119, 177 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, 119, 177 by changing the saturation by 10% instead.

 46, 119, 177  46, 119, 177

255, 255, 255  0, 94, 150

 109, 171, 233  0, 71, 124

 138, 198, 255  0, 49, 99

 167, 226, 255  0, 29, 74

 196, 255, 255  0, 4, 52

 226, 255, 255  0, 2, 30

 0, 0, 0

 46, 119, 177  46, 119, 177

 28, 111, 177  64, 127, 177

■ 11, 103, 177

■ 81, 135, 177

■ 0, 99, 177

■ 99, 143, 177

■ 117, 150, 177

■ 135, 158, 177

■ 152, 166, 177

■ 170, 174, 177

■ 188, 182, 177

■ 205, 190, 177

Harmonies

Analogous

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



0, 127, 166



46, 119, 177



110, 108, 171

Triad

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



46, 119, 177



173, 90, 89



67, 127, 78

Complementary

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



46, 119, 177



177, 104, 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.



106, 121, 56



46, 119, 177



161, 100, 63

Square

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



46, 119, 177



170, 88, 120



137, 111, 50



0, 130, 109

Rectangle

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



46, 119, 177



138, 100, 158



137, 111, 50



81, 125, 69

Sweetspot

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



46, 119, 177



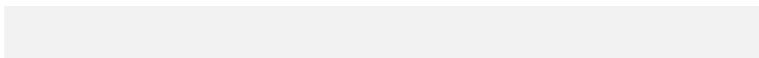
179, 207, 230



46, 177, 103



85, 102, 115



242, 242, 242



115, 115, 115

Same Dimension

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



46, 119, 177



25, 139, 230



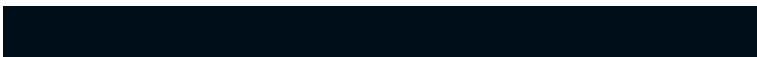
46, 55, 177



80, 85, 89



0, 85, 153



0, 14, 26

Inverse Universe

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



177, 46, 119



230, 25, 139



177, 168, 46



89, 80, 85



153, 0, 85



26, 0, 14

Previews

White Background



This preview shows how the RGB color 46, 119, 177 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, 119, 177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

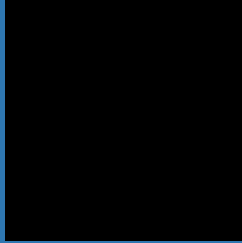
Any Text WCAG AA × Fail

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, 119, 177 Background



This preview shows how black text looks on a background with the RGB color 46, 119, 177.

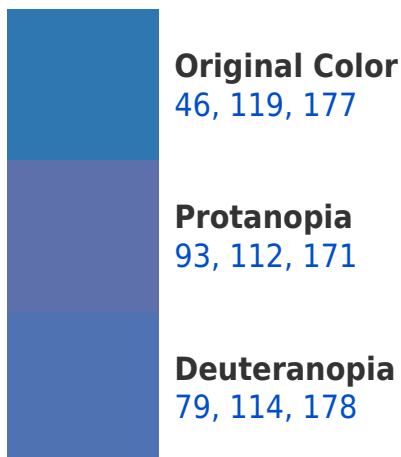


This preview shows how white text looks on a background with the RGB color 46, 119, 177.

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](#).

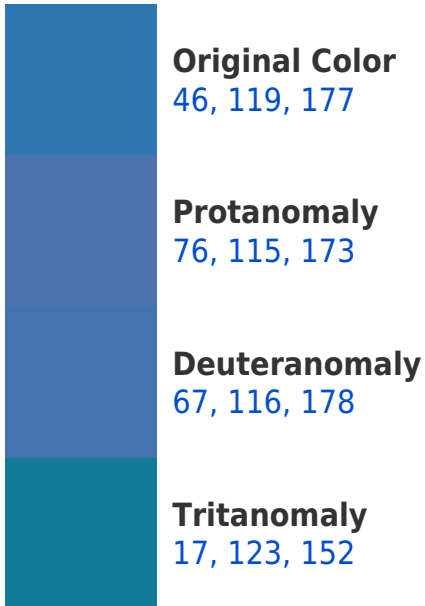
Dichromacy



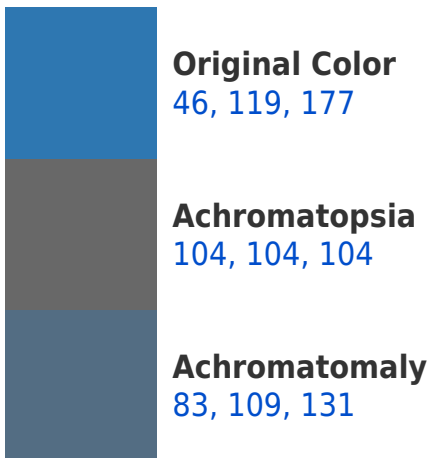


Tritanopia
0, 126, 137

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 119, 177 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, 119, 177)` looks like.

```
.text, #text, p{  
    color:rgb(46, 119, 177)  
}
```

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, 119, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 119, 177) }
```

Border

The CSS property to change the border of an element to RGB 46, 119, 177 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, 119, 177) }
```

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

```
.border{ border-color:rgb(46, 119, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 119, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 119, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 119, 177);  
box-shadow:4px 4px 4px 4px rgb(46, 119,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 46, 119, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 119, 177) }
```

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

```
.background{ background-color: rgb(46, 119,  
177) }
```

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