

# Converting Colors

Hex(2A6100)

Have a look what the booklet for  
Hex(2A6100) contains.

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**Color**

**Hex(2A6100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A6100
RGB	42, 97, 0
RGB Percent	16%, 38%, 0%
CMY	0.8353, 0.6196, 1.0000
CMYK	0.57, 0.00, 1.00, 0.62
HSL	94°, 100%, 19%
HSV	94°, 100%, 38%
XYZ	5.2295, 9.0416, 1.4696
YIQ	69.4970, -1.6430, -41.8270

# Conversions

## Conversions Part 2

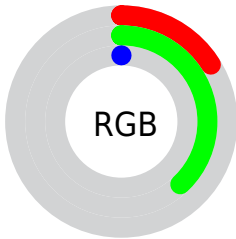
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 97, 55
Decimal	2777344
CIELab	36.06, -34.24, 42.15
CIELCh	36, 54.305, 129.093
Yxy	9.0416, 0.3322, 0.5744
Android (android.graphics.Color)	4280967424 (0xFF2A6100)
YUV	69.4970, -34.2620, -24.1149
Hunter-Lab	30.0693, -21.5772, 18.1508

# Details

The Hex color **2A6100** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **370061**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **5F9438**, and **003200** is the 20% darker color. If you saturate the color by 10%, you get **2A6100**, and if you desaturate by 10%, it is **30610A**.

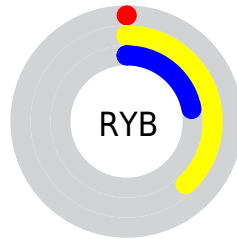
# Distribution



Red (16%)

Green (38%)

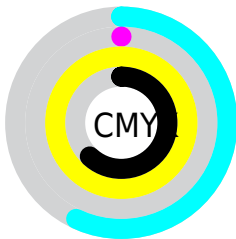
Blue (0%)



Red (0%)

Yellow (38%)

Blue (22%)

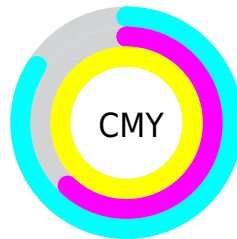


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (62%)



Cyan (84%)

Magenta (62%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A6100 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 Hex color 2A6100 by changing the saturation by 10% instead.



 2A6100

 2A6100

 FFFFF4

 0D4900

 5F9438

 003200

 79AF51

 001D00

 95CB6B

 000000

 B0E785

 CDFFA0

 E9FFBB

 FFFFD7

 2A6100

 30610A

 356113

 3B611D

 406127

 466131

 4B613A

 516144

 56614E

 5B6157

# Harmonies

## Analogous

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



5B5700



2A6100



006634

# Triad

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



2A6100



0062A7



A1204A

# Complementary

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



2A6100



370061

# 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.



922A75



2A6100



0056AC

# Square

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



2A6100



00678B



664299



983120

# Rectangle

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



2A6100



006852



664299



9E2058



# Sweetspot

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



2A6100



687D57



613700



334029



BFBFBF



404040



# Same Dimension

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



2A6100



367D00



006106



2E302C



317000



68F000



# Inverse Universe

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



370061



47007D



61005B



2E2C30



400070

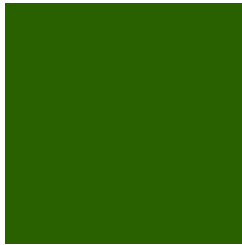


8800F0



# Previews

## White Background



This preview shows how the Hex color 2A6100 looks on a white background.

## Color Contrast Check

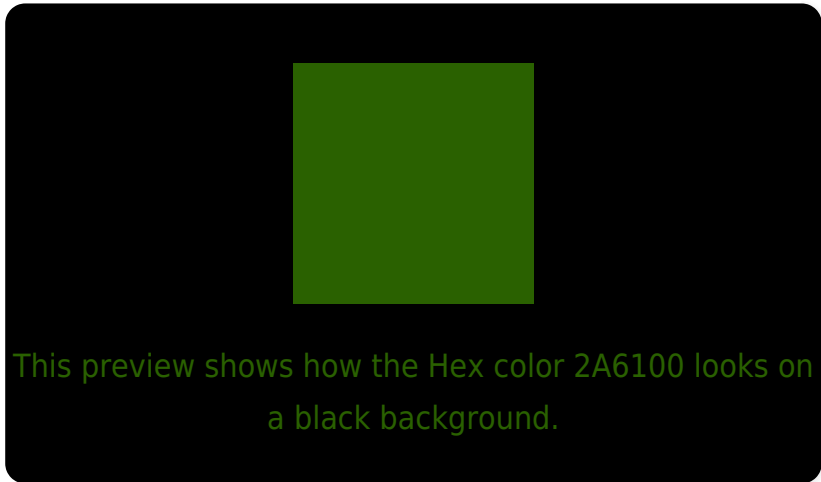
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

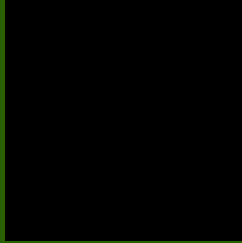
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A6100 Background



This preview shows how black text looks on a background with the Hex color 2A6100.



This preview shows how white text looks on a background with the Hex color 2A6100.

# 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**  
2A6100

**Protanopia**  
605500

**Deuteranopia**  
6B5014



**Tritanopia**  
395A61

# Trichromacy



**Original Color**  
2A6100

**Protanomaly**  
4C5900

**Deuteranomaly**  
53560D

**Tritanomaly**  
345D3E

# Monochromacy



**Original Color**  
2A6100

**Achromatopsia**  
454545

**Achromatomaly**  
3B4F2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A6100 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 #2A6100 looks like.

```
.text, #text, p{  
    color:#2A6100  
}
```

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 #2A6100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A6100
}
```

## Border

The CSS property to change the border of an element to Hex 2A6100 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
#2A6100 }
```

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

```
.border{ border-color:#2A6100 }
```

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

Here you see how a box with a 4 pixel #2A6100 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A6100; -webkit-box-shadow:4px 4px  
4px 4px #2A6100; box-shadow:4px 4px 4px  
4px #2A6100 }
```

# Background

The CSS property to change the background color of an element to Hex 2A6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A6100 }
```

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

```
.background{ background-color:#2A6100 }
```

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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