

Converting Colors

Hex(2A6876)

Have a look what the booklet for
Hex(2A6876) contains.

Hex(2A6876)	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

Hex(2A6876)

Conversions

Conversions Part 1

Format	Color
Hex	2A6876
RGB	42, 104, 118
RGB Percent	16%, 41%, 46%
CMY	0.8353, 0.5922, 0.5373
CMYK	0.64, 0.12, 0.00, 0.54
HSL	191°, 48%, 31%
HSV	191°, 64%, 46%
XYZ	9.1752, 11.7009, 18.9145
YIQ	87.0580, -41.4460, -8.7900

Conversions

Conversions Part 2

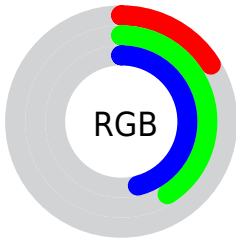
Format	Color
RYB	42, 76, 118
Decimal	2779254
CIELab	40.74, -15.19, -13.77
CIELCh	41, 20.503, 222.199
Yxy	11.7009, 0.2306, 0.2941
Android (android.graphics.Color)	4280969334 (0xFF2A6876)
YUV	87.0580, 15.2544, -39.5159
Hunter-Lab	34.2065, -11.9826, -8.8397




Details

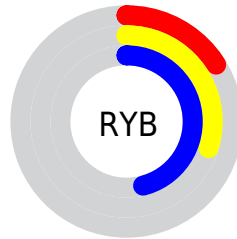
The Hex color **2A6876** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **76382A**, and the grayscale version is **575757**.




A 20% lighter version of the original color is **609BAA**, and **003946** is the 20% darker color. If you saturate the color by 10%, you get **1E6676**, and if you desaturate by 10%, it is **366A76**.

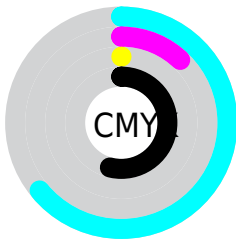
Distribution







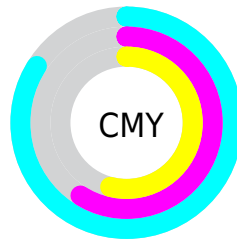
-  Red (16%)
-  Green (41%)
-  Blue (46%)






-  Red (16%)
-  Yellow (30%)
-  Blue (46%)



-  Cyan (64%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (54%)



-  Cyan (84%)
-  Magenta (59%)
-  Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A6876 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 2A6876 by changing the saturation by 10% instead.

■ 2A6876

■ 2A6876

FFFFFF

■ 06505D

■ 609BAA

■ 003946

■ 7BB6C5

■ 00232F

■ 96D2E1

■ 00061B

■ B2EEFE

■ 000000

■ CFFFFFF

■ EFFFFFF

■ 2A6876

■ 2A6876

■ 1E6676

■ 366A76

■ 126476

■ 426C76

■ 076176

■ 4D6F76

■ 006076

■ 597176

■ 657376

■ 717576

■ 7D7776

■ 887976

■ 947C76

Harmonies

Analogous

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



2D6967



2A6876



3B6580

Triad

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



2A6876



7B556B



65613F

Complementary

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



2A6876



76382A

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.



755C40



2A6876



81545A

Square

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



2A6876



6B5979



7F564A



526647

Rectangle

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



2A6876



4C6181



7F564A



6B5F3E

Sweetspot

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



2A6876



7C9499



2A7638



3B494D



CCCCCC



4D4D4D

Same Dimension

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



2A6876



238399



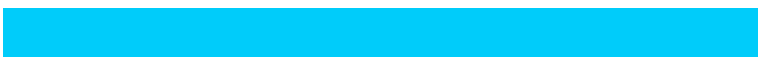
2A4276



353A3B



00647A



00CCFA

Inverse Universe

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



762A68



992383



765E2A



3B353A



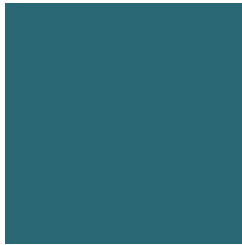
7A0064



FA00CC

Previews

White Background



This preview shows how the Hex color 2A6876 looks on a white background.

Color Contrast Check

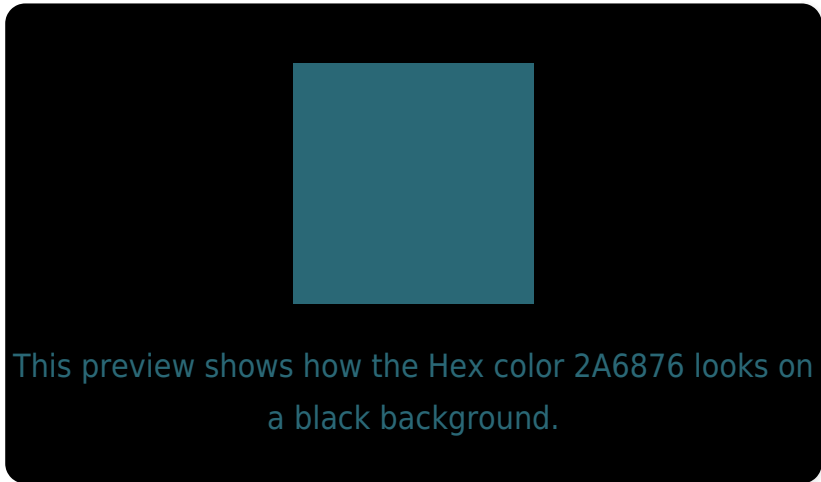
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

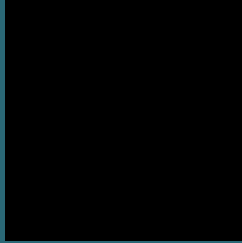
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

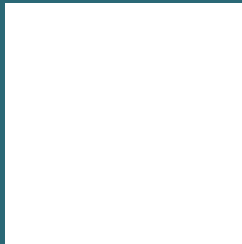
Any Text WCAG AAA × Fail

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

Hex 2A6876 Background



This preview shows how black text looks on a background with the Hex color 2A6876.



This preview shows how white text looks on a background with the Hex color 2A6876.

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
2A6876

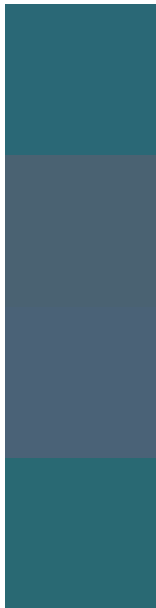
Protanopia
5C5F70

Deuteranopia
5C5E78



Tritanopia
286971

Trichromacy



Original Color
2A6876

Protanomaly
4A6272

Deuteranomaly
4A6277

Tritanomaly
296973

Monochromacy



Original Color
2A6876

Achromatopsia
575757

Achromatomaly
475D62

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A6876 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 #2A6876 looks like.

```
.text, #text, p{  
    color:#2A6876  
}
```

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 #2A6876 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A6876
}
```

Border

The CSS property to change the border of an element to Hex 2A6876 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
#2A6876 }
```

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

```
.border{ border-color:#2A6876 }
```

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

Here you see how a box with a 4 pixel #2A6876 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A6876; -webkit-box-shadow:4px 4px  
4px 4px #2A6876; box-shadow:4px 4px 4px  
4px #2A6876 }
```

Background

The CSS property to change the background color of an element to Hex 2A6876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A6876 }
```

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

```
.background{ background-color:#2A6876 }
```

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