

Converting Colors

Hex(2E5978)

Have a look what the booklet for
Hex(2E5978) contains.

Hex(2E5978)	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(2E5978)

Conversions

Conversions Part 1

Format	Color
Hex	2E5978
RGB	46, 89, 120
RGB Percent	18%, 35%, 47%
CMY	0.8196, 0.6510, 0.5294
CMYK	0.62, 0.26, 0.00, 0.53
HSL	205°, 45%, 33%
HSV	205°, 62%, 47%
XYZ	8.0893, 9.0817, 19.0959
YIQ	79.6770, -35.5790, 0.5250

Conversions

Conversions Part 2

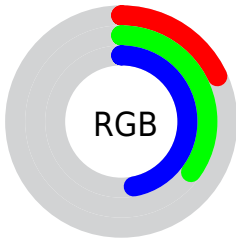
Format	Color
RYB	46, 73, 120
Decimal	3037560
CIELab	36.14, -4.81, -22.05
CIElCh	36, 22.570, 257.692
Yxy	9.0817, 0.2230, 0.2504
Android (android.graphics.Color)	4281227640 (0xFF2E5978)
YUV	79.6770, 19.8792, -29.5347
Hunter-Lab	30.1358, -4.8235, -16.4747

Details

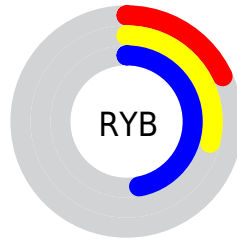
The Hex color **2E5978** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **784D2E**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **638BAC**, and **002C47** is the 20% darker color. If you saturate the color by 10%, you get **225478**, and if you desaturate by 10%, it is **3A5E78**.

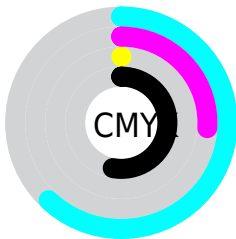
Distribution



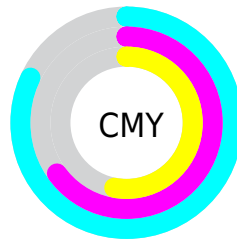
- Red (18%)
- Green (35%)
- Blue (47%)



- Red (18%)
- Yellow (29%)
- Blue (47%)



- Cyan (62%)
- Magenta (26%)
- Yellow (0%)
- Black (53%)



- Cyan (82%)
- Magenta (65%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2E5978 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 2E5978 by changing the saturation by 10% instead.

■ 2E5978

■ 2E5978

FFFFFF

■ 0F425F

■ 638BAC

■ 002C47

■ 7DA5C8

■ 001831

■ 98C0E4

■ 00011C

■ B4DCFF

■ 000000

■ D0F9FF

■ EDFFFF

■ 2E5978

■ 2E5978

■ 225478

■ 3A5E78

■ 164F78

■ 466378

■ 0A4A78

■ 526878

■ 004678

■ 5E6D78

■ 6A7278

■ 767778

■ 827C78

■ 8E8178

■ 9A8678

Harmonies

Analogous

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



0F5D6F



2E5978



4C5377

Triad

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



2E5978



78474B



425C3C

Complementary

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



2E5978



784D2E

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.



565732



2E5978



744B3B

Square

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



2E5978



74485D



685132



2B5E4D

Rectangle

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



2E5978



5D4F72



685132



495A38

Sweetspot

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



2E5978



7E8F9C



2E784D



3D474F



CFCFCF



4F4F4F

Same Dimension

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



2E5978



286B9C



2E3478



373B3D



00497D



0093FC

Inverse Universe

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



782E59



9C286B



78722E



3D373B



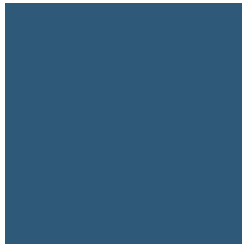
7D0049



FC0093

Previews

White Background



This preview shows how the Hex color 2E5978 looks on a white background.

Color Contrast Check

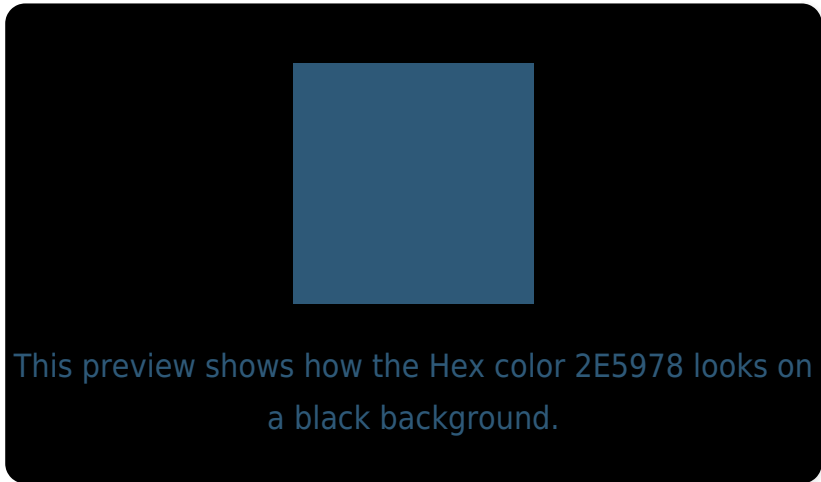
Large Text (above 18pt) WCAG AA ✓ Pass

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

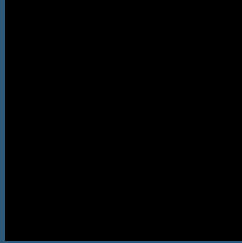
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

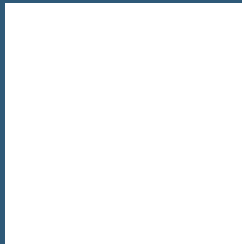
Any Text WCAG AAA × Fail

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

Hex 2E5978 Background



This preview shows how black text looks on a background with the Hex color 2E5978.

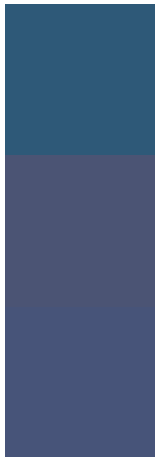


This preview shows how white text looks on a background with the Hex color 2E5978.

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
2E5978

Protanopia
4B5474

Deuteranopia
475479



Tritanopia
255D64

Trichromacy



Original Color
2E5978

Protanomaly
405675

Deuteranomaly
3E5679

Tritanomaly
285C6B

Monochromacy



Original Color
2E5978

Achromatopsia
505050

Achromatomaly
44535F

CSS Examples

Text

The CSS property to change the color of the text to Hex 2E5978 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 #2E5978 looks like.

```
.text, #text, p{  
    color:#2E5978  
}
```

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 #2E5978 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E5978  
}
```

Border

The CSS property to change the border of an element to Hex 2E5978 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  
#2E5978 }
```

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

```
.border{ border-color:#2E5978 }
```

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

Here you see how a box with a 4 pixel #2E5978 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E5978; -webkit-box-shadow:4px 4px  
4px 4px #2E5978; box-shadow:4px 4px 4px  
4px #2E5978 }
```

Background

The CSS property to change the background color of an element to Hex 2E5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E5978 }
```

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

```
.background{ background-color:#2E5978 }
```

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