

Converting Colors

Hex(2C3D71)

Have a look what the booklet for
Hex(2C3D71) contains.

Hex(2C3D71)	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(2C3D71)

Conversions

Conversions Part 1

Format	Color
Hex	2C3D71
RGB	44, 61, 113
RGB Percent	17%, 24%, 44%
CMY	0.8275, 0.7608, 0.5569
CMYK	0.61, 0.46, 0.00, 0.56
HSL	225°, 44%, 31%
HSV	225°, 61%, 44%
XYZ	5.6881, 5.0652, 16.3007
YIQ	61.8450, -26.8240, 12.5680

Conversions

Conversions Part 2

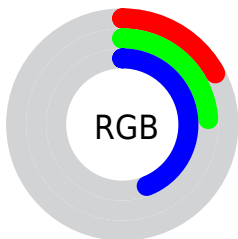
Format	Color
R_{YB}	44, 58, 113
Decimal	2899313
CIE _{Lab}	26.92, 10.58, -32.20
CIE _{LCh}	27, 33.890, 288.184
Yxy	5.0652, 0.2102, 0.1872
Android (android.graphics.Color)	4281089393 (0xFF2C3D71)
YUV	61.8450, 25.2194, -15.6501
Hunter-Lab	22.5060, 5.7278, -27.1884




Details

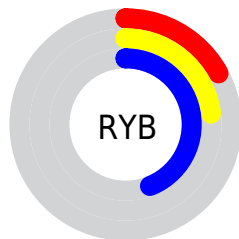
The Hex color **2C3D71** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **71602C**, and the grayscale version is **3E3E3E**.




A 20% lighter version of the original color is **606CA5**, and **001440** is the 20% darker color. If you saturate the color by 10%, you get **213471**, and if you desaturate by 10%, it is **374671**.

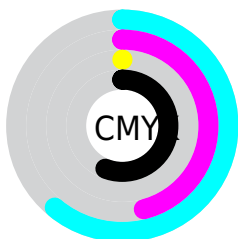
Distribution







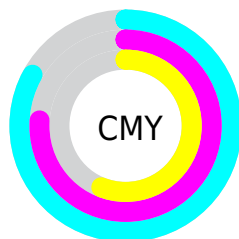
-  Red (17%)
-  Green (24%)
-  Blue (44%)






-  Red (17%)
-  Yellow (23%)
-  Blue (44%)



-  Cyan (61%)
-  Magenta (46%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (83%)
-  Magenta (76%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2C3D71 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 2C3D71 by changing the saturation by 10% instead.

■ 2C3D71

■ 2C3D71

FFFFFF

■ 0E2758

■ 606CA5

■ 001440

■ 7A85C1

■ 00032A

■ 959FDD

■ 000114

■ B1BAF9

■ 000000

■ CDD6FF

■ EAF2FF

■ 2C3D71

■ 2C3D71

■ 213471

■ 374671

■ 152C71

■ 434E71

■ 0A2371

■ 4E5771

■ 001C71

■ 595F71

■ 656871

■ 707071

■ 7B7971

■ 868171

■ 928A71

Harmonies

Analogous

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



004572



2C3D71



553262

Triad

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



2C3D71



67301A



004B34

Complementary

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



2C3D71



71602C

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.



1F491B



2C3D71



553B08

Square

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



2C3D71



6E2831



3E4308



004C4F

Rectangle

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



2C3D71



642B53



3E4308



004B2B

Sweetspot

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



2C3D71



798094



2C7160



3A3E4A



C9C9C9



4A4A4A

Same Dimension

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



2C3D71



284394



3D2C71



323438



001E78



003DF7

Inverse Universe

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



712C3D



942843



60712C



383234



78001E



F7003D

Previews

White Background



This preview shows how the Hex color 2C3D71 looks on a white background.

Color Contrast Check

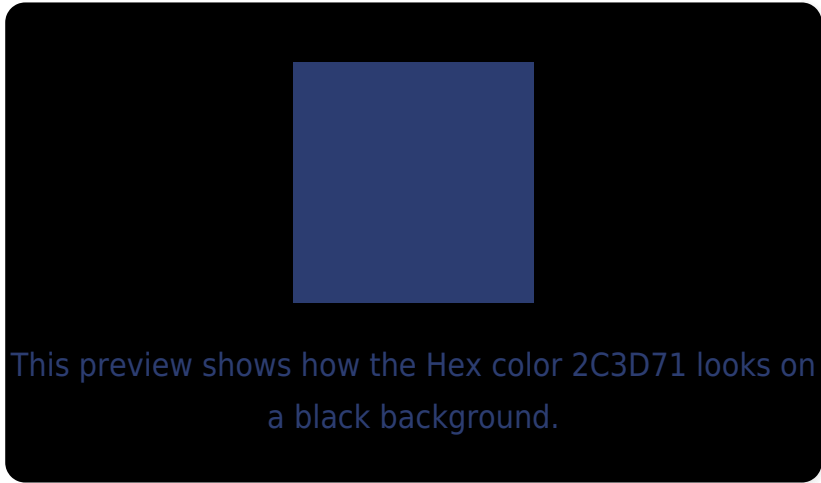
Large Text (above 18pt) WCAG AA ✓ Pass

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

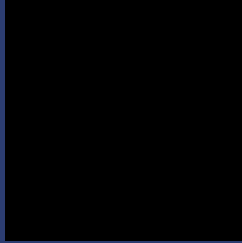
Any Text WCAG AA × Fail

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 2C3D71 Background



This preview shows how black text looks on a background with the Hex color 2C3D71.



This preview shows how white text looks on a background with the Hex color 2C3D71.

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
2C3D71

Protanopia
273E72

Deuteranopia
154070



Tritanopia
1A464B

Trichromacy



Original Color
2C3D71

Protanomaly
293E72

Deuteranomaly
1D3F70

Tritanomaly
214359

Monochromacy



Original Color
2C3D71

Achromatopsia
3E3E3E

Achromatomaly
373E51

CSS Examples

Text

The CSS property to change the color of the text to Hex 2C3D71 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 #2C3D71 looks like.

```
.text, #text, p{  
    color:#2C3D71  
}
```

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 #2C3D71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C3D71
}
```

Border

The CSS property to change the border of an element to Hex 2C3D71 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
#2C3D71 }
```

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

```
.border{ border-color:#2C3D71 }
```

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

Here you see how a box with a 4 pixel #2C3D71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C3D71; -webkit-box-shadow:4px 4px  
4px 4px #2C3D71; box-shadow:4px 4px 4px  
4px #2C3D71 }
```

Background

The CSS property to change the background color of an element to Hex 2C3D71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C3D71 }
```

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

```
.background{ background-color:#2C3D71 }
```

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