

Converting Colors

Hex(33568D)

Have a look what the booklet for
Hex(33568D) contains.

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Color

Hex(33568D)

Conversions

Conversions Part 1

Format	Color
Hex	33568D
RGB	51, 86, 141
RGB Percent	20%, 34%, 55%
CMY	0.8000, 0.6627, 0.4471
CMYK	0.64, 0.39, 0.00, 0.45
HSL	217°, 47%, 38%
HSV	217°, 64%, 55%
XYZ	9.5007, 9.2825, 26.4903
YIQ	81.8050, -38.5150, 9.6850

Conversions

Conversions Part 2

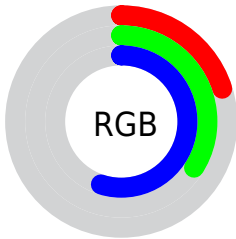
Format	Color
RYB	51, 76, 141
Decimal	3364493
CIELab	36.52, 5.66, -34.30
CIElCh	37, 34.762, 279.366
Yxy	9.2825, 0.2099, 0.2050
Android (android.graphics.Color)	4281554573 (0xFF33568D)
YUV	81.8050, 29.1831, -27.0160
Hunter-Lab	30.4671, 2.3452, -30.2238

Details

The Hex color **33568D** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8D6A33**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **6A87C3**, and **00295A** is the 20% darker color. If you saturate the color by 10%, you get **254D8D**, and if you desaturate by 10%, it is **415F8D**.

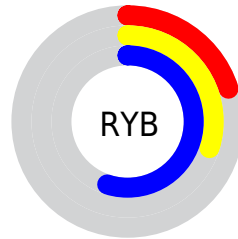
Distribution



Red (20%)

Green (34%)

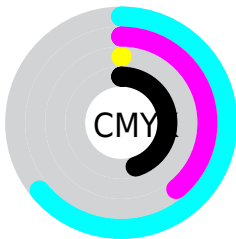
Blue (55%)



Red (20%)

Yellow (30%)

Blue (55%)

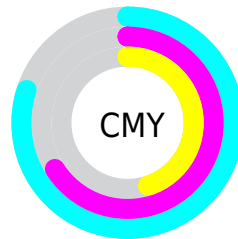


Cyan (64%)

Magenta (39%)

Yellow (0%)

Black (45%)



Cyan (80%)

Magenta (66%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33568D 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 33568D by changing the saturation by 10% instead.

■ 33568D

■ 33568D

FFFFFF

■ 123F73

■ 6A87C3

■ 00295A

■ 85A1DF

■ 001642

■ A1BCFC

■ 00032C

■ BDD8FF

■ 000116

■ DAF5FF

■ 000000

■ F7FFFF

■ 33568D

■ 33568D

■ 254D8D

■ 415F8D

■ 17458D

■ 4F678D

■ 093C8D

■ 5D708D

■ 00378D

■ 6B788D

■ 7A818D

■ 888A8D

■ 96928D

■ A49B8D

■ B2A48D

Harmonies

Analogous

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



005E8A



33568D



634B81

Triad

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



33568D



854334



0E6241

Complementary

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



33568D



8D6A33

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.



3F5E29



33568D



754D21

Square

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



33568D



8A3D4E



5D571B



00645E

Rectangle

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



33568D



774473



5D571B



246138

Sweetspot

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



33568D



95A2B8



338D69



474F5C



DBDBDB



5C5C5C

Same Dimension

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



33568D



2A61B8



3C338D



404347



003587



000308

Inverse Universe

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



8D3356



B82A61



848D33



474043



870035



080003

Previews

White Background



This preview shows how the Hex color 33568D looks on a white background.

Color Contrast Check

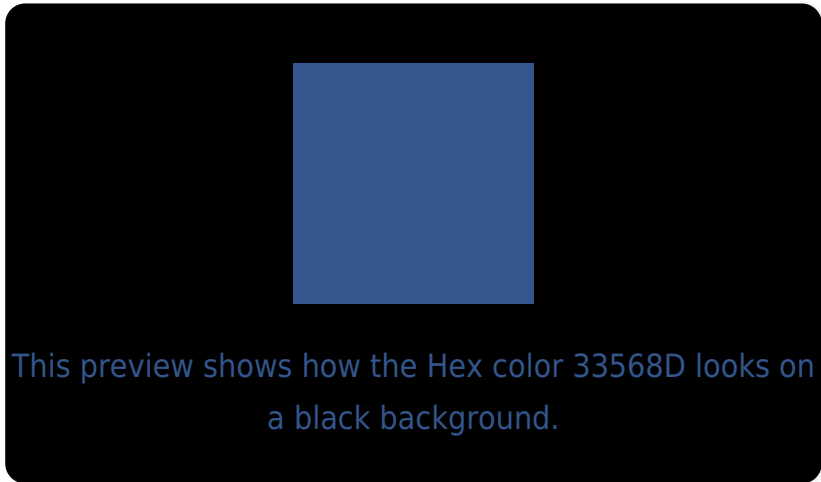
Large Text (above 18pt) WCAG AA ✓ Pass

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 33568D Background



This preview shows how black text looks on a background with the Hex color 33568D.



This preview shows how white text looks on a background with the Hex color 33568D.

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
33568D

Protanopia
40548B

Deuteranopia
32568D



Tritanopia
1E5E66

Trichromacy



Original Color
33568D

Protanomaly
3B558C

Deuteranomaly
32568D

Tritanomaly
265B74

Monochromacy



Original Color
33568D

Achromatopsia
525252

Achromatomaly
475367

CSS Examples

Text

The CSS property to change the color of the text to Hex 33568D 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 #33568D looks like.

```
.text, #text, p{  
    color:#33568D  
}
```

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 #33568D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33568D
}
```

Border

The CSS property to change the border of an element to Hex 33568D is called "border". The border property can be set on classes, ids or directly on the HTML element.

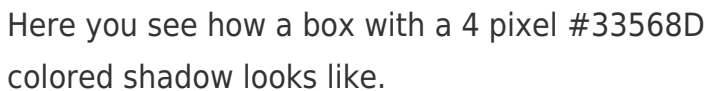
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33568D }
```

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

```
.border{ border-color:#33568D }
```

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



Here you see how a box with a 4 pixel #33568D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33568D; -webkit-box-shadow:4px 4px  
4px 4px #33568D; box-shadow:4px 4px 4px  
4px #33568D }
```

Background

The CSS property to change the background color of an element to Hex 33568D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33568D }
```

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

```
.background{ background-color:#33568D }
```

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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