

Converting Colors

Decimal(580)

Have a look what the booklet for
Decimal(580) contains.

Decimal(580)	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

Decimal(580)

Conversions

Conversions Part 1

Format	Color
Hex	000244
RGB	0, 2, 68
RGB Percent	0%, 1%, 27%
CMY	1.0000, 0.9922, 0.7333
CMYK	1.00, 0.97, 0.00, 0.73
HSL	238°, 100%, 13%
HSV	238°, 100%, 27%
XYZ	1.0651, 0.4608, 5.5016
YIQ	8.9260, -22.3780, 20.1020

Conversions

Conversions Part 2

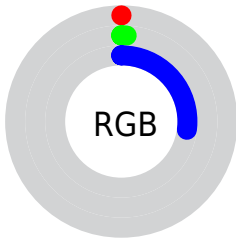
Format	Color
RYB	0, 2, 68
Decimal	580
CIELab	4.16, 24.98, -39.18
CIELCh	4, 46.465, 302.526
Yxy	0.4608, 0.1516, 0.0656
Android (android.graphics.Color)	4278190660 (0xFF000244)
YUV	8.9260, 29.1235, -7.8281
Hunter-Lab	6.7880, 16.1291, -43.3025

Details

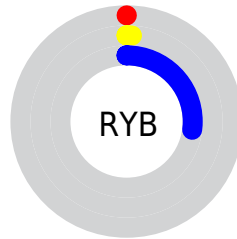
The Decimal color **580** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **4473344**, and the grayscale version is **592137**.

A 20% lighter version of the original color is **3747445**, and **279** is the 20% darker color. If you saturate the color by 10%, you get **580**, and if you desaturate by 10%, it is **461124**.

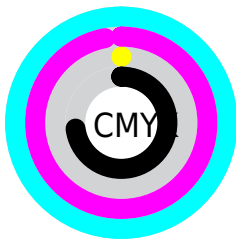
Distribution



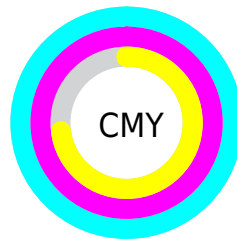
- Red (0%)
- Green (1%)
- Blue (27%)



- Red (0%)
- Yellow (1%)
- Blue (27%)



- Cyan (100%)
- Magenta (97%)
- Yellow (0%)
- Black (73%)



- Cyan (100%)
- Magenta (99%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Decimal color 580 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 Decimal color 580 by changing the saturation by 10% instead.

■ 580

■ 580

■ 16376319

■ 813

■ 3747445

■ 279

■ 5457295

■ 0

■ 7167402

■ 8943301

■ 10719202

■ 12561150

■ 14468607

■ 580

■ 461124

■ 921412

■ 1316420

■ 1776708

■ 2237252

■ 2697796

■ 3158084

■ 3553092

■ 4013380

Harmonies

Analogous

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



5198



580



3342380

Triad

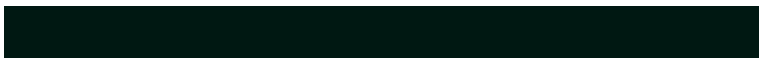
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



580



2818048



6162

Complementary

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



580



4473344

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.



5888



580



1117952

Square

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



580



3801088



5888



6448

Rectangle

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



580



3997721



5888

Sweetspot

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



580



4079449



17474



1908270



11382189



3026478

Same Dimension

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



580



857



2097220



1973793



865



2016

Inverse Universe

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



4456450



5832707



2376704



2170398



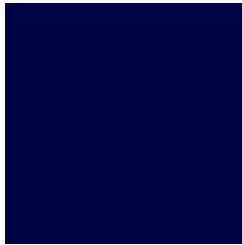
6356995



14680071

Previews

White Background



This preview shows how the Decimal color 580 looks on a white background.

Color Contrast Check

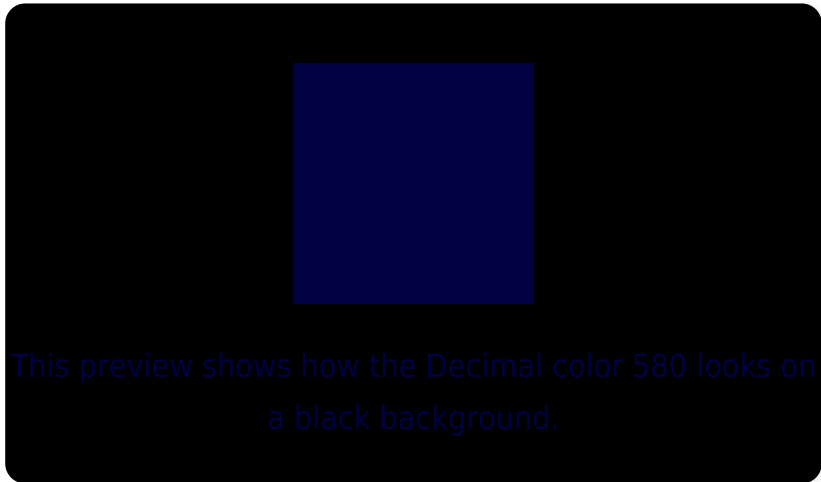
Large Text (above 18pt) WCAG AA ✓ Pass

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

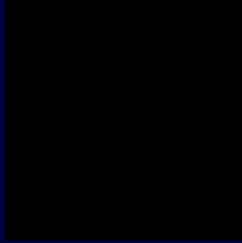
Any Text WCAG AA × Fail

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](#).

Decimal 580 Background



This preview shows how black text looks on a background with the Decimal color 580.



This preview shows how white text looks on a background with the Decimal color 580.

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
580

Protanopia
5162

Deuteranopia
5411



Tritanopia
5912

Trichromacy



Original Color
580

Protanomaly
3379

Deuteranomaly
3631

Tritanomaly
3880

Monochromacy



Original Color
580

Achromatopsia
592137

Achromatomaly
394782

CSS Examples

Text

The CSS property to change the color of the text to Decimal 580 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 #000244 looks like.

```
.text, #text, p{  
    color:#000244  
}
```

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 #000244 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #000244
}
```

Border

The CSS property to change the border of an element to Decimal 580 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
#000244 }
```

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

```
.border{ border-color:#000244 }
```

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

Here you see how a box with a 4 pixel #000244 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #000244; -webkit-box-shadow:4px 4px  
4px 4px #000244; box-shadow:4px 4px 4px  
4px #000244 }
```

Background

The CSS property to change the background color of an element to Decimal 580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#000244 }
```

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

```
.background{ background-color:#000244 }
```

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