

# Converting Colors

Decimal(2996776)

Have a look what the booklet for  
Decimal(2996776) contains.

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**Color**

**Decimal(2996776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DBA28
RGB	45, 186, 40
RGB Percent	18%, 73%, 16%
CMY	0.8235, 0.2706, 0.8431
CMYK	0.76, 0.00, 0.78, 0.27
HSL	118°, 65%, 44%
HSV	118°, 78%, 73%
XYZ	19.0241, 35.8289, 7.9205
YIQ	127.1970, -37.1700, -75.2980

# Conversions

## Conversions Part 2

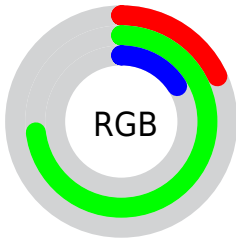
Format	Color
<a href="#">RYB</a>	<a href="#">40, 186, 181</a>
Decimal	<a href="#">2996776</a>
CIELab	<a href="#">66.39, -62.65, 58.56</a>
CIELCh	<a href="#">66, 85.757, 136.931</a>
Yxy	<a href="#">35.8289, 0.3031, 0.5708</a>
Android (android.graphics.Color)	<a href="#">4281186856 (0xFF2DBA28)</a>
YUV	<a href="#">127.1970, -42.9881, -72.0868</a>
Hunter-Lab	<a href="#">59.8572, -48.0185, 34.0547</a>

# Details

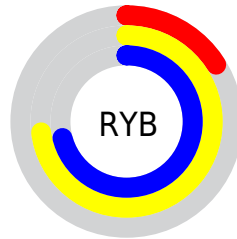
The Decimal color **2996776** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11872442**, and the grayscale version is **8421504**.

A 20% lighter version of the original color is **7533409**, and **33536** is the 20% darker color. If you saturate the color by 10%, you get **1817109**, and if you desaturate by 10%, it is **4176443**.

# Distribution



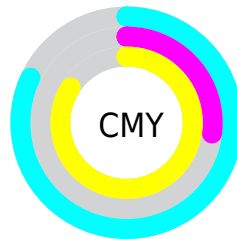
- Red (18%)
- Green (73%)
- Blue (16%)



- Red (16%)
- Yellow (73%)
- Blue (71%)



- Cyan (76%)
- Magenta (0%)
- Yellow (78%)
- Black (27%)



- Cyan (82%)
- Magenta (27%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 2996776 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 2996776 by changing the saturation by 10% instead.



 2996776

 2996776

16777215

 40448

 7533409

 33536

 9568124

 26880

 11534232

 20224

 13500340

 14336

 15531984

 7680

 16777197

 0

 2996776

 2996776

 1817109

 4176443

■ 637443

■ 5356109

■ 440832

■ 6535776

■ 7715442

■ 8895109

■ 10074776

■ 11254442

■ 12434109

■ 13613775

# Harmonies

## Analogous

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



10136320



2996776



49532

# Triad

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



2996776



46335



16730234

# Complementary

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



2996776



11872442

# 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.



16731591



2996776



3644671

# Square

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



2996776



49407



14317311



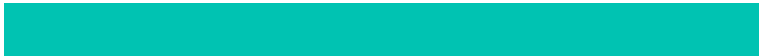
16739631

# Rectangle

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



2996776



50098



14317311



16728979

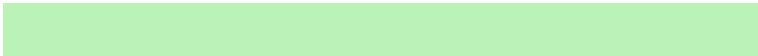


# Sweetspot

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



2996776



12251832



12235560



5798487



16448250



8026746



# Same Dimension

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



2996776



1503759



2669162



5463123



367616



72704



# Inverse Universe

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



11872442



15339506



12200056



5985116



9830556

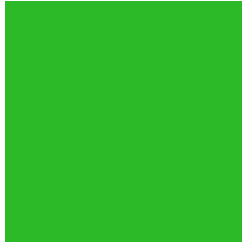


1769500



# Previews

## White Background



This preview shows how the Decimal color 2996776 looks on a white background.

## Color Contrast Check

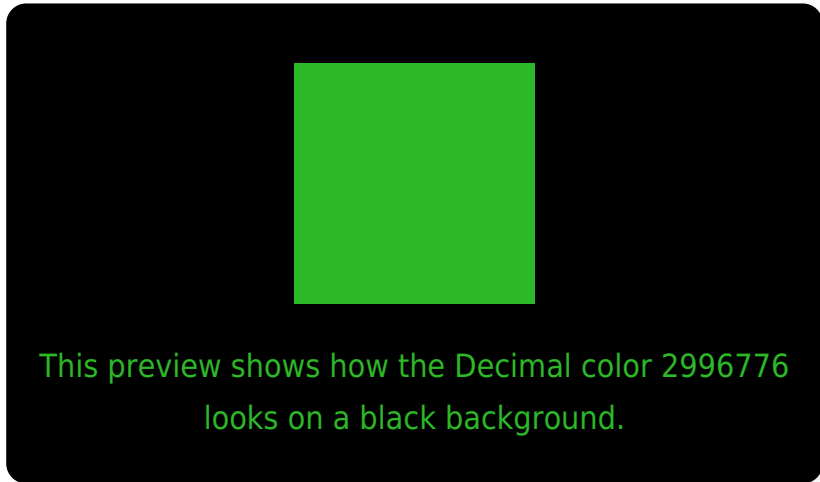
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Decimal 2996776 Background



This preview shows how black text looks on a background with the Decimal color 2996776.



This preview shows how white text looks on a background with the Decimal color 2996776.

# 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**  
2996776

**Protanopia**  
11837473

**Deuteranopia**  
13146167



**Tritanopia**  
5746107

# Trichromacy



**Original Color**

2996776



**Protanomaly**

8628516



**Deuteranomaly**

9479218



**Tritanomaly**

4764294

# Monochromacy



**Original Color**

2996776



**Achromatopsia**

8355711



**Achromatomaly**

6394975

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 2996776 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 #2DBA28 looks like.

```
.text, #text, p{  
    color:#2DBA28  
}
```

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 #2DBA28 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DBA28
}
```

## Border

The CSS property to change the border of an element to Decimal 2996776 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
#2DBA28 }
```

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

```
.border{ border-color:#2DBA28 }
```

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

Here you see how a box with a 4 pixel #2DBA28 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DBA28; -webkit-box-shadow:4px 4px  
4px 4px #2DBA28; box-shadow:4px 4px 4px  
4px #2DBA28 }
```

# Background

The CSS property to change the background color of an element to Decimal 2996776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DBA28 }
```

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

```
.background{ background-color:#2DBA28 }
```

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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