

# Converting Colors

Decimal(30275)

Have a look what the booklet for  
Decimal(30275) contains.

<b>Decimal(30275)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Decimal(30275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007643
RGB	0, 118, 67
RGB Percent	0%, 46%, 26%
CMY	1.0000, 0.5373, 0.7373
CMYK	1.00, 0.00, 0.43, 0.54
HSL	154°, 100%, 23%
HSV	154°, 100%, 46%
XYZ	7.4916, 13.3621, 7.4945
YIQ	76.9040, -53.9570, -40.8770

# Conversions

## Conversions Part 2

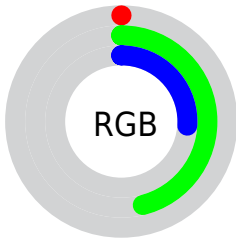
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 75, 118
Decimal	30275
CIELab	43.30, -41.24, 20.28
CIELCh	43, 45.960, 153.811
Yxy	13.3621, 0.2643, 0.4714
Android (android.graphics.Color)	4278220355 (0xFF007643)
YUV	76.9040, -4.8827, -67.4448
Hunter-Lab	36.5542, -27.3875, 13.4321

# Details

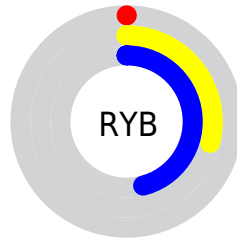
The Decimal color **30275** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7733299**, and the grayscale version is **5066061**.

A 20% lighter version of the original color is **4959092**, and **17431** is the 20% darker color. If you saturate the color by 10%, you get **30275**, and if you desaturate by 10%, it is **816712**.

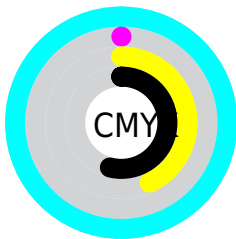
# Distribution



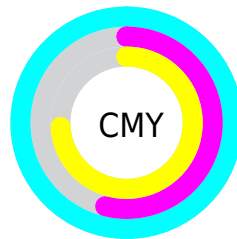
- Red (0%)
- Green (46%)
- Blue (26%)



- Red (0%)
- Yellow (29%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (74%)

# Brightness & Saturation Gradients


These gradients show how the Decimal color 30275 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 30275 by changing the saturation by 10% instead.



 30275  30275

16777215  23852

 4959092  17431

 6801293  11520

 8643496  5120

 10485699  0

 12386271

 14286844

 16187391

 30275

■ 816712

■ 1603149

■ 2324050

■ 3110487

■ 3896924

■ 4683362

■ 5469799

■ 6190700

■ 6977137

# Harmonies

## Analogous

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



5140514



30275



30826

# Triad

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



30275



158130



10963262

# Complementary

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



30275



7733299

# 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.



11158115



30275



7232166

# Square

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



30275



29610



9980553



9721888

# Rectangle

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



30275



30852



9980553



11224394



# Sweetspot

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



30275



7051653



3372544



3231041



13421772



5066061



# Same Dimension

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



30275



39255



28278



3488568



31301



64142



# Inverse Universe

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



7733299



10027074



7735296



3880247



7995445



16384108



# Previews

## White Background



This preview shows how the Decimal color 30275 looks on a white background.

## Color Contrast Check

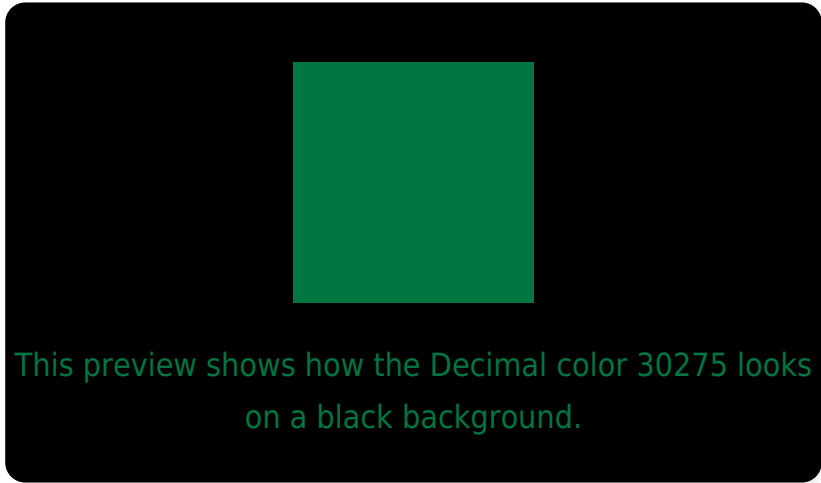
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30275 Background



This preview shows how black text looks on a background with the Decimal color 30275.

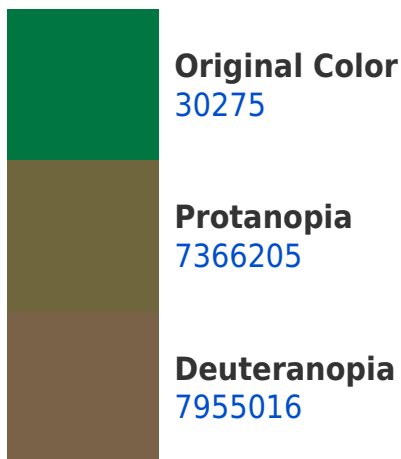


This preview shows how white text looks on a background with the Decimal color 30275.

# 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





**Tritanopia**  
2912377

# Trichromacy



**Original Color**  
30275



**Protanomaly**  
4680767



**Deuteranomaly**  
5073222



**Tritanomaly**  
1864293

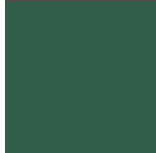
# Monochromacy



**Original Color**  
30275



**Achromatopsia**  
5066061



**Achromatomaly**  
3234889

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 30275 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 #007643 looks like.

```
.text, #text, p{  
    color:#007643  
}
```

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 #007643 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007643
}
```

## Border

The CSS property to change the border of an element to Decimal 30275 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
#007643 }
```

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

```
.border{ border-color:#007643 }
```

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

Here you see how a box with a 4 pixel #007643 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007643; -webkit-box-shadow:4px 4px  
4px 4px #007643; box-shadow:4px 4px 4px  
4px #007643 }
```

# Background

The CSS property to change the background color of an element to Decimal 30275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007643 }
```

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

```
.background{ background-color:#007643 }
```

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