

# Converting Colors

Decimal(19829)

Have a look what the booklet for  
Decimal(19829) contains.

<b>Decimal(19829)</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(19829)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004D75
RGB	0, 77, 117
RGB Percent	0%, 30%, 46%
CMY	1.0000, 0.6980, 0.5412
CMYK	1.00, 0.34, 0.00, 0.54
HSL	201°, 100%, 23%
HSV	201°, 100%, 46%
XYZ	5.8648, 6.5921, 17.7929
YIQ	58.5370, -58.7320, -3.8840

# Conversions

## Conversions Part 2

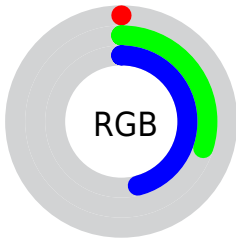
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 46, 117
Decimal	19829
CIELab	30.86, -4.40, -28.55
CIELCh	31, 28.888, 261.234
Yxy	6.5921, 0.1939, 0.2179
Android (android.graphics.Color)	4278209909 (0xFF004D75)
YUV	58.5370, 28.8223, -51.3369
Hunter-Lab	25.6751, -4.1581, -23.1156

# Details

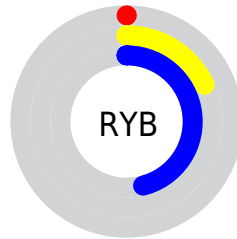
The Decimal color **19829** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7677952**, and the grayscale version is **3815994**.

A 20% lighter version of the original color is **4816553**, and **8516** is the 20% darker color. If you saturate the color by 10%, you get **19829**, and if you desaturate by 10%, it is **807285**.

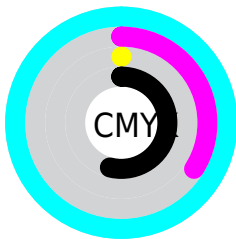
# Distribution



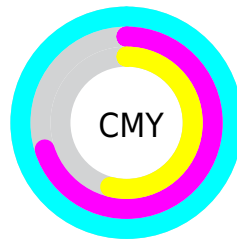
- Red (0%)
- Green (30%)
- Blue (46%)



- Red (0%)
- Yellow (18%)
- Blue (46%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (54%)



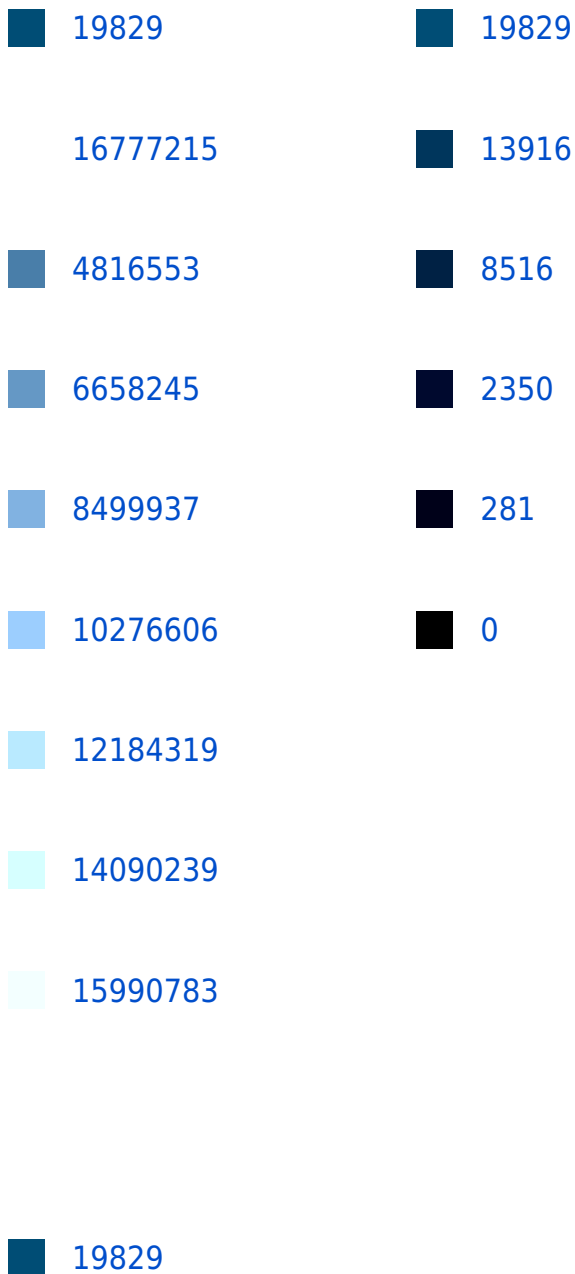
- Cyan (100%)
- Magenta (70%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 19829 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 19829 by changing the saturation by 10% instead.





■ 807285

■ 1529205

■ 2316661

■ 3104117

■ 3891573

■ 4613493

■ 5400949

■ 6188405

■ 6910325

# Harmonies

## Analogous

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



21099



19829



4146547

# Triad

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



19829



7550522



2838827

# Complementary

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



19829



7677952

# 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.



4607005



19829



7028006

# Square

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



19829



7288400



5981467



21569

# Rectangle

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



19829



5586795



5981467



3493925



# Sweetspot

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



19829



7047577



29991



3228493



13421772



5066061



# Same Dimension

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



19829



26009



5237



3488059



20858



42234



# Inverse Universe

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



7667789



10027109



7692800



3880249



7995473



16384164



# Previews

## White Background



This preview shows how the Decimal color 19829 looks on a white background.

## Color Contrast Check

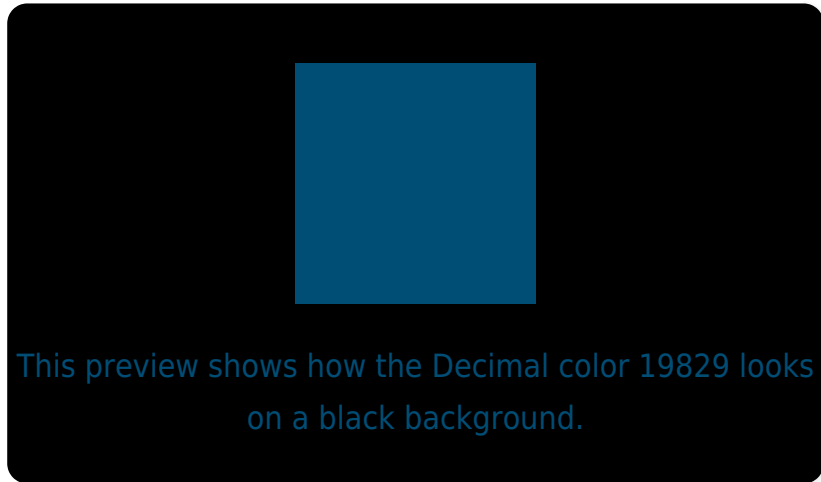
Large Text (above 18pt) WCAG AA ✓ Pass

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

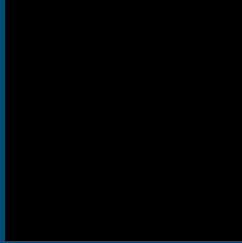
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 19829 Background



This preview shows how black text looks on a background with the Decimal color 19829.



This preview shows how white text looks on a background with the Decimal color 19829.

# Color Blindness Simulation

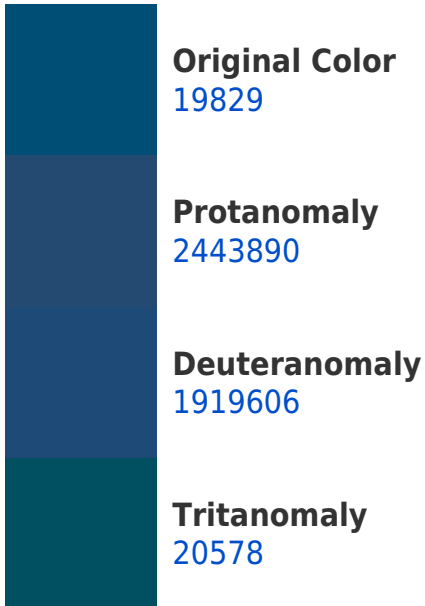
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 19829 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 #004D75 looks like.

```
.text, #text, p{  
  color:#004D75  
}
```

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 #004D75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004D75
}
```

## Border

The CSS property to change the border of an element to Decimal 19829 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
#004D75 }
```

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

```
.border{ border-color:#004D75 }
```

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

Here you see how a box with a 4 pixel #004D75 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004D75; -webkit-box-shadow:4px 4px  
4px 4px #004D75; box-shadow:4px 4px 4px  
4px #004D75 }
```

# Background

The CSS property to change the background color of an element to Decimal 19829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004D75 }
```

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

```
.background{ background-color:#004D75 }
```

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