

# Converting Colors

Hex(166629)

Have a look what the booklet for  
Hex(166629) contains.

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# Color

**Hex(166629)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 166629                      |
| RGB         | 22, 102, 41                 |
| RGB Percent | 9%, 40%, 16%                |
| CMY         | 0.9137, 0.6000, 0.8392      |
| CMYK        | 0.78, 0.00, 0.60, 0.60      |
| HSL         | 134°, 65%, 24%              |
| HSV         | 134°, 78%, 40%              |
| XYZ         | 5.4825, 9.8334, 3.7069      |
| YIQ         | 71.1260, -28.0990, -35.9310 |

# Conversions

## Conversions Part 2

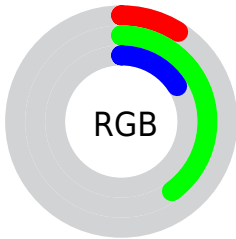
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 22, 87, 102                    |
| Decimal                             | 1467945                        |
| CIELab                              | 37.54, -37.59, 27.49           |
| CIELCh                              | 38, 46.574, 143.822            |
| Yxy                                 | 9.8334, 0.2882,<br>0.5169      |
| Android<br>(android.graphics.Color) | 4279658025<br>(0xFF166629)     |
| YUV                                 | 71.1260, -14.8521,<br>-43.0835 |
| Hunter-Lab                          | 31.3583, -23.6691,<br>14.9420  |

# Details

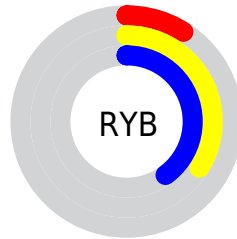
The Hex color **166629** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **661653**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **509A58**, and **003600** is the 20% darker color. If you saturate the color by 10%, you get **0C6621**, and if you desaturate by 10%, it is **206631**.

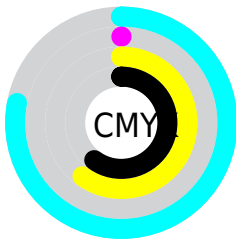
# Distribution



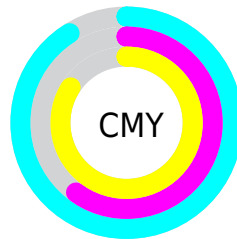
- Red (9%)
- Green (40%)
- Blue (16%)



- Red (9%)
- Yellow (34%)
- Blue (40%)



- Cyan (78%)
- Magenta (0%)
- Yellow (60%)
- Black (60%)



- Cyan (91%)
- Magenta (60%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 166629 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 166629 by changing the saturation by 10% instead.





166629



166629

FFFFFF



004D12



509A58



003600



6AB571



002200



85D18B



000000



A1EDA6



BDFFC1



D9FFDD



F7FFFA



166629



166629

■ 0C6621

■ 206631

■ 026619

■ 2A6639

■ 006618

■ 356640

■ 3F6648

■ 496650

■ 536658

■ 5D665F

■ 686667

■ 72666F

# Harmonies

## Analogous

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



4D5F05



166629



00694F

# Triad

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



166629



005FA3



9A353C

# Complementary

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



166629



661653

# 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.



973362



166629



48529E

# Square

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



166629



006795



7E4085



8C441B

# Rectangle

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



166629



006A69



7E4085



9C3349



# Sweetspot

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



166629



65856C



536616



2F4234



C2C2C2



424242



# Same Dimension

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



166629



088526



166651



2E332F



00731B



00F23A



# Inverse Universe

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



661653



850867



66162B



332E32



730057

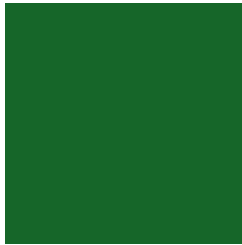


F200B9



# Previews

## White Background



This preview shows how the Hex color 166629 looks on a white background.

## Color Contrast Check

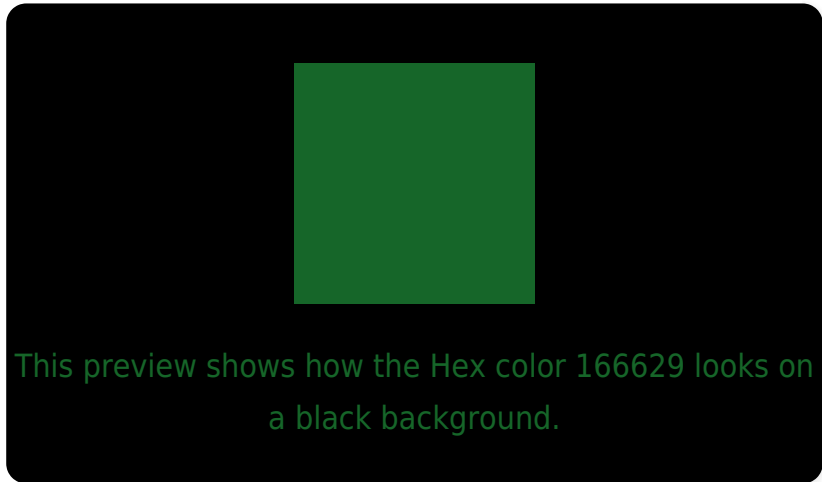
Large Text (above 18pt) WCAG AA ✓ Pass

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

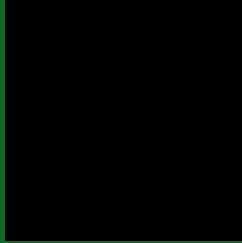
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 166629 Background



This preview shows how black text looks on a background with the Hex color 166629.



This preview shows how white text looks on a background with the Hex color 166629.

# 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**  
166629

**Protanopia**  
625825

**Deuteranopia**  
6C542E



# Trichromacy



**Original Color**  
166629

**Protanomaly**  
465D26

**Deuteranomaly**  
4D5B2C

**Tritanomaly**  
256250

# Monochromacy



**Original Color**  
166629

**Achromatopsia**  
474747

**Achromatomaly**  
35523C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 166629 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 #166629 looks like.

```
.text, #text, p{  
    color:#166629  
}
```

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 #166629 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #166629
}
```

## Border

The CSS property to change the border of an element to Hex 166629 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
#166629 }
```

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

```
.border{ border-color:#166629 }
```

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

Here you see how a box with a 4 pixel #166629 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #166629; -webkit-box-shadow:4px 4px  
4px 4px #166629; box-shadow:4px 4px 4px  
4px #166629 }
```

# Background

The CSS property to change the background color of an element to Hex 166629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#166629 }
```

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

```
.background{ background-color:#166629 }
```

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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