

Converting Colors

Hex(046156)

Have a look what the booklet for
Hex(046156) contains.

Hex(046156)	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

Hex(046156)

Conversions

Conversions Part 1

Format	Color
Hex	046156
RGB	4, 97, 86
RGB Percent	2%, 38%, 34%
CMY	0.9843, 0.6196, 0.6627
CMYK	0.96, 0.00, 0.11, 0.62
HSL	173°, 92%, 20%
HSV	173°, 96%, 38%
XYZ	6.0045, 9.2471, 10.2725
YIQ	67.9390, -51.8970, -23.1370

Conversions

Conversions Part 2

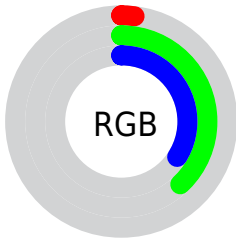
Format	Color
R_YB	4, 53, 97
Decimal	287062
CIE _{Lab}	36.46, -26.97, -0.61
CIE _{LCh}	36, 26.973, 181.289
Yxy	9.2471, 0.2352, 0.3623
Android (android.graphics.Color)	4278477142 (0xFF046156)
YUV	67.9390, 8.9041, -56.0745
Hunter-Lab	30.4090, -17.9697, 1.2575

Details

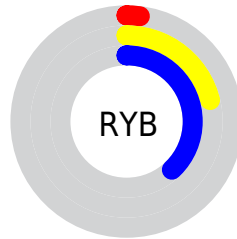
The Hex color **046156** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **61040F**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **479488**, and **003229** is the 20% darker color. If you saturate the color by 10%, you get **006156**, and if you desaturate by 10%, it is **0E6157**.

Distribution



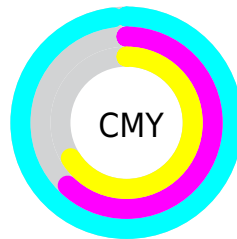
- Red (2%)
- Green (38%)
- Blue (34%)



- Red (2%)
- Yellow (21%)
- Blue (38%)



- Cyan (96%)
- Magenta (0%)
- Yellow (11%)
- Black (62%)



- Cyan (98%)
- Magenta (62%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Hex color 046156 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 046156 by changing the saturation by 10% instead.

 046156

 046156

FFFFFF

 00493F

 479488

 003229

 63AFA2

 001F14

 7ECBBD

 000000

 99E7D9

 B5FFF5

 D2FFFF

 EFFFFFF

 046156

 046156

■ 006156

■ 0E6157

■ 176158

■ 216159

■ 2B615B

■ 35615C

■ 3E615D

■ 48615E

■ 52615F

■ 5B6160

Harmonies

Analogous

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



315F40



046156



00606C

Triad

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



046156



59507B



744D30

Complementary

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



046156



61040F

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.



7E4640



046156



72486B

Square

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



046156



355881



7E4456



62552A

Rectangle

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



046156



005F77



7E4456



784B35

Sweetspot

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



046156



597D79



106104



29403D



BFBFBF



404040

Same Dimension

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



046156



007D6E



043F61



2C3030



007063



00F0D3

Inverse Universe

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



61040F



7D000F



612604



302C2C



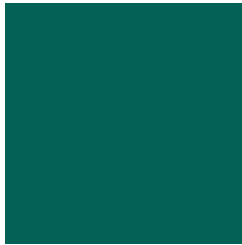
70000D



F0001C

Previews

White Background



This preview shows how the Hex color 046156 looks on a white background.

Color Contrast Check

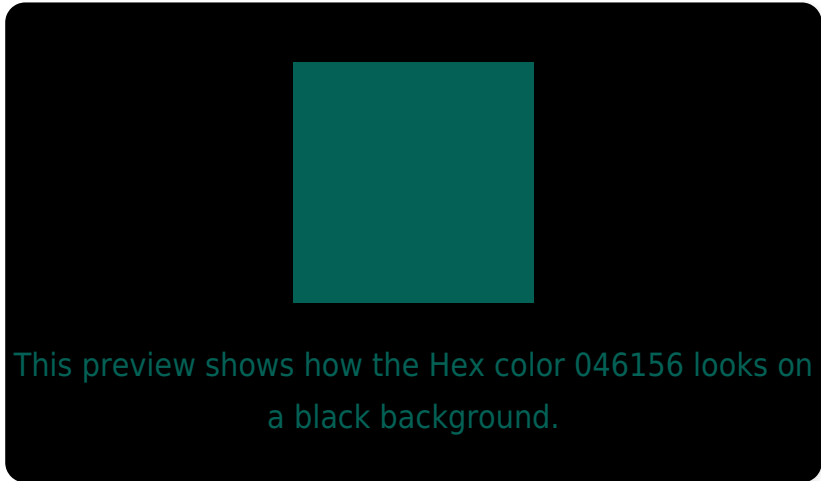
Large Text (above 18pt) WCAG AA ✓ Pass

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

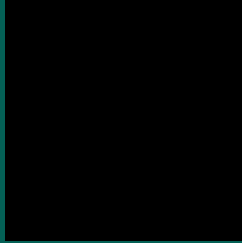
Any Text WCAG AA × Fail

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 046156 Background



This preview shows how black text looks on a background with the Hex color 046156.

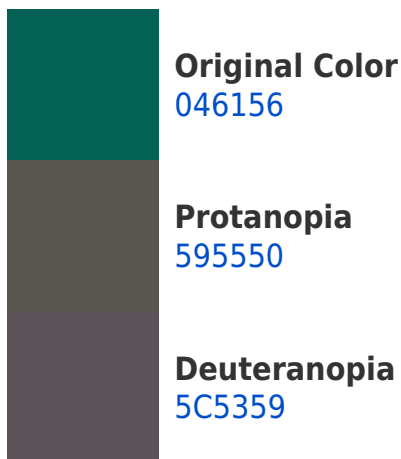


This preview shows how white text looks on a background with the Hex color 046156.

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](#).

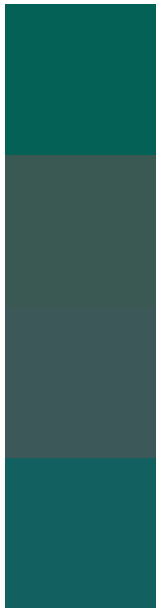
Dichromacy





Tritanopia
1A5F66

Trichromacy



Original Color
046156

Protanomaly
3A5952

Deuteranomaly
3C5858

Tritanomaly
126060

Monochromacy



Original Color
046156

Achromatopsia
444444

Achromatomaly
2D4F4B

CSS Examples

Text

The CSS property to change the color of the text to Hex 046156 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 #046156 looks like.

```
.text, #text, p{  
    color:#046156  
}
```

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 #046156 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #046156
}
```

Border

The CSS property to change the border of an element to Hex 046156 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
#046156 }
```

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

```
.border{ border-color:#046156 }
```

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

Here you see how a box with a 4 pixel #046156 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #046156; -webkit-box-shadow:4px 4px  
4px 4px #046156; box-shadow:4px 4px 4px  
4px #046156 }
```

Background

The CSS property to change the background color of an element to Hex 046156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#046156 }
```

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

```
.background{ background-color:#046156 }
```

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