

# Converting Colors

Hex(456D36)

Have a look what the booklet for  
Hex(456D36) contains.

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# Color

Hex(456D36)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	456D36
RGB	69, 109, 54
RGB Percent	27%, 43%, 21%
CMY	0.7294, 0.5725, 0.7882
CMYK	0.37, 0.00, 0.50, 0.57
HSL	104°, 34%, 32%
HSV	104°, 50%, 43%
XYZ	8.5887, 12.4688, 5.4441
YIQ	90.7700, -6.1850, -25.5850

# Conversions

## Conversions Part 2

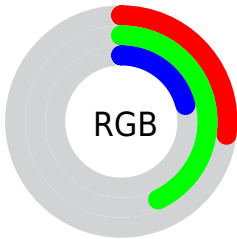
Format	Color
<a href="#">RYB</a>	<a href="#">54, 109, 94</a>
Decimal	<a href="#">4549942</a>
CIELab	<a href="#">41.95, -25.42, 26.24</a>
CIELCh	<a href="#">42, 36.532, 134.095</a>
Yxy	<a href="#">12.4688, 0.3241, 0.4705</a>
Android (android.graphics.Color)	<a href="#">4282740022 (0xFF456D36)</a>
YUV	<a href="#">90.7700, -18.1276, -19.0923</a>
Hunter-Lab	<a href="#">35.3112, -18.3782, 15.5769</a>

# Details

The Hex color **456D36** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5E366D**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **77A166**, and **143D08** is the 20% darker color. If you saturate the color by 10%, you get **3D6D2B**, and if you desaturate by 10%, it is **4D6D41**.

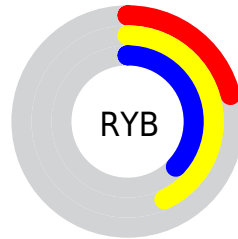
# Distribution



Red (27%)

Green (43%)

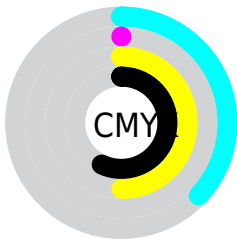
Blue (21%)



Red (21%)

Yellow (43%)

Blue (37%)

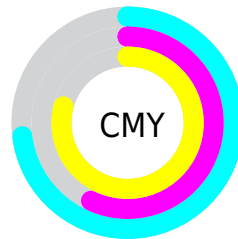


Cyan (37%)

Magenta (0%)

Yellow (50%)

Black (57%)



Cyan (73%)

Magenta (57%)

Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 456D36 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 456D36 by changing the saturation by 10% instead.





456D36



456D36

FFFFFF



2D541F



77A166



143D08



92BC7F



002700



ADD89A



000D00



C9F4B5



000000



E5FFD0



FFFFED



456D36



456D36



3D6D2B



4D6D41

 356D20

 556D4C

 2D6D15

 5D6D57

 256D0A

 656D62

 1E6D00

 6D6D6D

 756D77

 7C6D82

 846D8D

 8C6D98

# Harmonies

## Analogous

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



676626



456D36



097151

# Triad

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



456D36



006B9C



9B4956

# Complementary

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



456D36



5E366D

# 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.



924B74



456D36



49619D

# Square

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



456D36



00708C



77558E



95513A

# Rectangle

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



456D36



007266



77558E



9A4960



# Sweetspot

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



456D36



7F8F79



6D5D36



3E473B



C7C7C7



474747



# Same Dimension

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



456D36



4F8F38



366D42



323630



207500



43F500



# Inverse Universe

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



5E366D



77388F



6D3661



343036



550075



B200F5



# Previews

## White Background



This preview shows how the Hex color 456D36 looks on a white background.

## Color Contrast Check

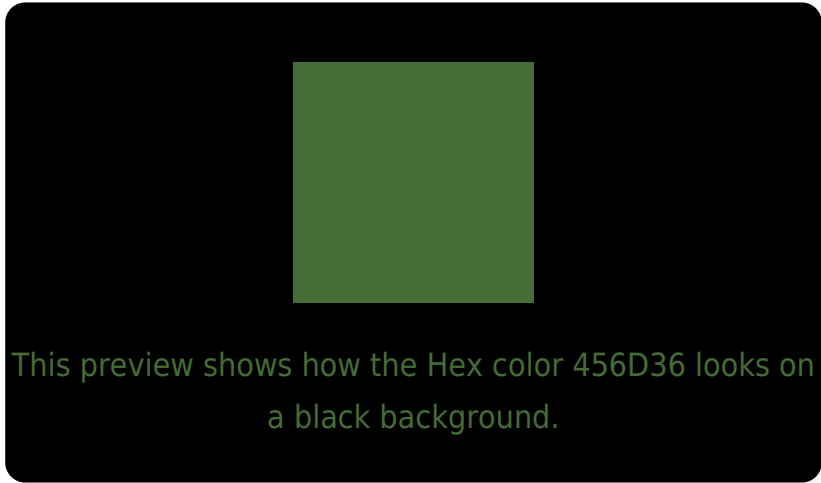
Large Text (above 18pt) WCAG AA ✓ Pass

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

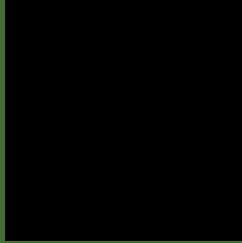
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 456D36 Background



This preview shows how black text looks on a background with the Hex color 456D36.



This preview shows how white text looks on a background with the Hex color 456D36.

# 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**  
456D36

**Protanopia**  
6D6333

**Deuteranopia**  
785E3A



**Tritanopia**  
4F676F

# Trichromacy



**Original Color**  
456D36

**Protanomaly**  
5E6734

**Deuteranomaly**  
656339

**Tritanomaly**  
4B695A

# Monochromacy



**Original Color**  
456D36

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
53624E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 456D36 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 #456D36 looks like.

```
.text, #text, p{  
    color:#456D36  
}
```

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 #456D36 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456D36
}
```

## Border

The CSS property to change the border of an element to Hex 456D36 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".

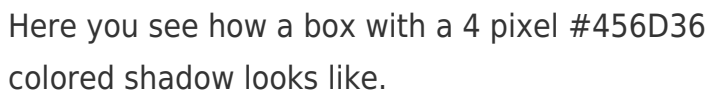
```
.border, #border, table{ border:4px solid
#456D36 }
```

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

```
.border{ border-color:#456D36 }
```

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

Here you see how a box with a 4 pixel #456D36 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456D36; -webkit-box-shadow:4px 4px  
4px 4px #456D36; box-shadow:4px 4px 4px  
4px #456D36 }
```

# Background

The CSS property to change the background color of an element to Hex 456D36 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456D36 }
```

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

```
.background{ background-color:#456D36 }
```

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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