

Converting Colors

Hex(456C45)

Have a look what the booklet for
Hex(456C45) contains.

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Color

Hex(456C45)

Conversions

Conversions Part 1

Format	Color
Hex	456C45
RGB	69, 108, 69
RGB Percent	27%, 42%, 27%
CMY	0.7294, 0.5765, 0.7294
CMYK	0.36, 0.00, 0.36, 0.58
HSL	120°, 22%, 35%
HSV	120°, 36%, 42%
XYZ	8.8910, 12.4200, 7.5589
YIQ	91.8930, -10.7250, -20.3970

Conversions

Conversions Part 2

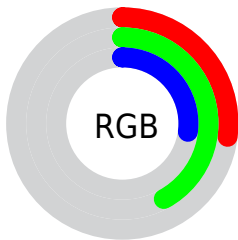
Format	Color
RYB	69, 108, 108
Decimal	4549701
CIELab	41.88, -22.49, 17.59
CIELCh	42, 28.553, 141.977
Yxy	12.4200, 0.3080, 0.4302
Android (android.graphics.Color)	4282739781 (0xFF456C45)
YUV	91.8930, -11.2862, -20.0772
Hunter-Lab	35.2420, -16.6409, 11.9525

Details

The Hex color **456C45** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6C456C**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **77A076**, and **163C19** is the 20% darker color. If you saturate the color by 10%, you get **3A6C3A**, and if you desaturate by 10%, it is **506C50**.

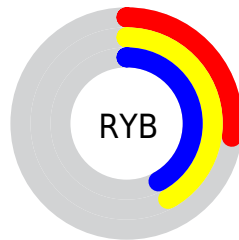
Distribution



Red (27%)

Green (42%)

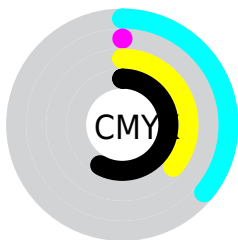
Blue (27%)



Red (27%)

Yellow (42%)

Blue (42%)

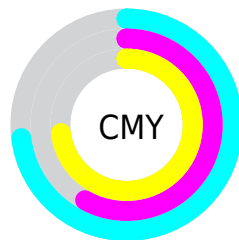


Cyan (36%)

Magenta (0%)

Yellow (36%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 456C45 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 456C45 by changing the saturation by 10% instead.



456C45



456C45

FFFFFF



2D542E



77A076



163C19



91BB8F



012600



ACD7AA



000D00



C8F3C5



000000



E4FFE1

FFFFFFE



456C45



456C45



3A6C3A



506C50

 2F6C2F

 5B6C5B

 256C25

 656C65

 1A6C1A

 706C70


 0F6C0F

 7B6C7B

 046C04

 866C86

 006C00

 916C91

 9B6C9B

 A66CA6

Harmonies

Analogous

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



606736



456C45



226F5B

Triad

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



456C45



316791



905152

Complementary

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



456C45



6C456C

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.



8C516A



456C45



5C5F8E

Square

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



456C45



006D87



7A5680



88573F

Rectangle

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



456C45



006F6C



7A5680



90505A

Sweetspot

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



456C45



7D8C7D



6C6C45



3E473E



C7C7C7



474747

Same Dimension

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



456C45



508C50



456C59



303630



007500



00F500

Inverse Universe

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



6C456C



8C508C



6C4559



363036



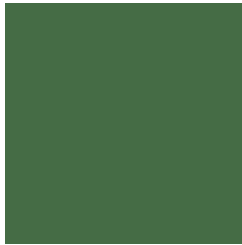
750075



F500F5

Previews

White Background



This preview shows how the Hex color 456C45 looks on a white background.

Color Contrast Check

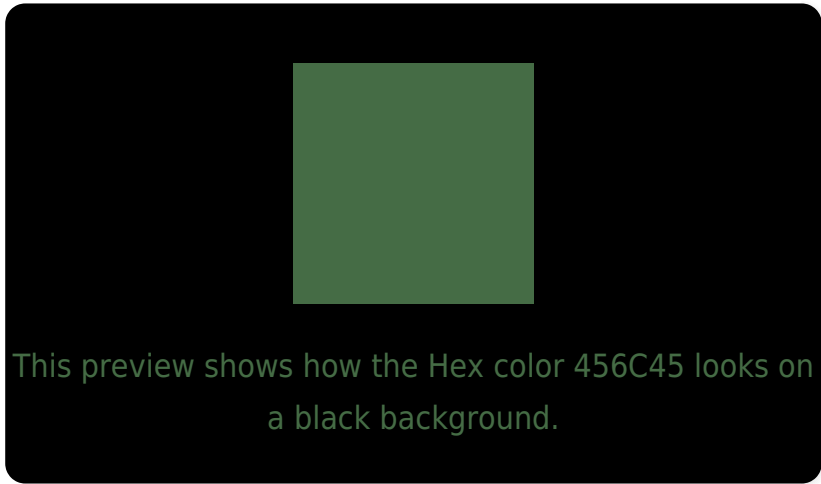
Large Text (above 18pt) WCAG AA ✓ Pass

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

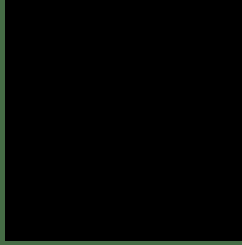
Any Text WCAG AA × Fail

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 456C45 Background



This preview shows how black text looks on a background with the Hex color 456C45.



This preview shows how white text looks on a background with the Hex color 456C45.

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
456C45

Protanopia
6B6241

Deuteranopia
745E48



Tritanopia
4D676F

Trichromacy



Original Color
456C45

Protanomaly
5D6642

Deuteranomaly
636347

Tritanomaly
4A6960

Monochromacy



Original Color
456C45

Achromatopsia
5C5C5C

Achromatomaly
546254

CSS Examples

Text

The CSS property to change the color of the text to Hex 456C45 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 #456C45 looks like.

```
.text, #text, p{  
    color:#456C45  
}
```

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 #456C45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456C45  
}
```

Border

The CSS property to change the border of an element to Hex 456C45 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  
#456C45 }
```

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

```
.border{ border-color:#456C45 }
```

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

Here you see how a box with a 4 pixel #456C45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456C45; -webkit-box-shadow:4px 4px  
4px 4px #456C45; box-shadow:4px 4px 4px  
4px #456C45 }
```

Background

The CSS property to change the background color of an element to Hex 456C45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456C45 }
```

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

```
.background{ background-color:#456C45 }
```

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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