

Converting Colors

Hex(456A45)

Have a look what the booklet for
Hex(456A45) contains.

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Color

Hex(456A45)

Conversions

Conversions Part 1

Format	Color
Hex	456A45
RGB	69, 106, 69
RGB Percent	27%, 42%, 27%
CMY	0.7294, 0.5843, 0.7294
CMYK	0.35, 0.00, 0.35, 0.58
HSL	120°, 21%, 34%
HSV	120°, 35%, 42%
XYZ	8.6825, 12.0029, 7.4894
YIQ	90.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

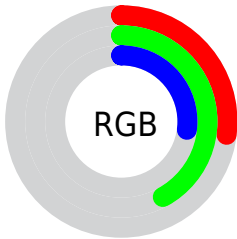
Format	Color
RYB	69, 106, 106
Decimal	4549189
CIELab	41.22, -21.46, 16.71
CIELCh	41, 27.197, 142.088
Yxy	12.0029, 0.3082, 0.4260
Android (android.graphics.Color)	4282739269 (0xFF456A45)
YUV	90.7190, -10.7075, -19.0476
Hunter-Lab	34.6453, -15.8953, 11.4347

Details

The Hex color **456A45** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6A456A**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **779E76**, and **163A19** is the 20% darker color. If you saturate the color by 10%, you get **3A6A3A**, and if you desaturate by 10%, it is **506A50**.

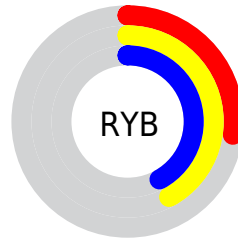
Distribution



Red (27%)

Green (42%)

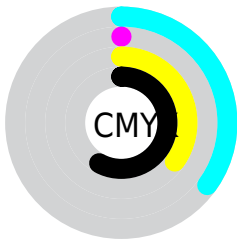
Blue (27%)



Red (27%)

Yellow (42%)

Blue (42%)

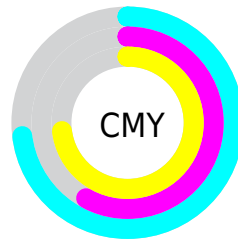


Cyan (35%)

Magenta (0%)

Yellow (35%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 456A45 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 456A45 by changing the saturation by 10% instead.



456A45



456A45

FFFFFF



2D522E



779E76



163A19



91B98F



022400



ACD4AA



000800



C7F1C5



000000



E3FFE1

FFFFFFE



456A45



456A45



3A6A3A



506A50

 306A30

 5A6A5A

 256A25

 656A65

 1B6A1B

 6F6A6F

 106A10

 7A6A7A

 056A05

 856A85

 006A00

 8F6A8F

 9A6A9A

 A46AA4

Harmonies

Analogous

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



5F6537



456A45



256D5A

Triad

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



456A45



34658D



8C5052

Complementary

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



456A45



6A456A

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.



885068



456A45



5B5E8A

Square

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



456A45



006A84



77557D



85563F

Rectangle

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



456A45



036D6A



77557D



8C5059

Sweetspot

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



456A45



7C8A7C



6A6A45



3D453D



C4C4C4



454545

Same Dimension

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



456A45



508A50



456A58



303630



007500



00F500

Inverse Universe

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



6A456A



8A508A



6A4558



363036



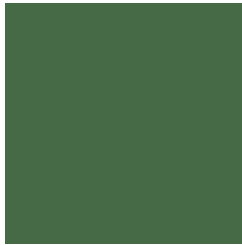
750075



F500F5

Previews

White Background



This preview shows how the Hex color 456A45 looks on a white background.

Color Contrast Check

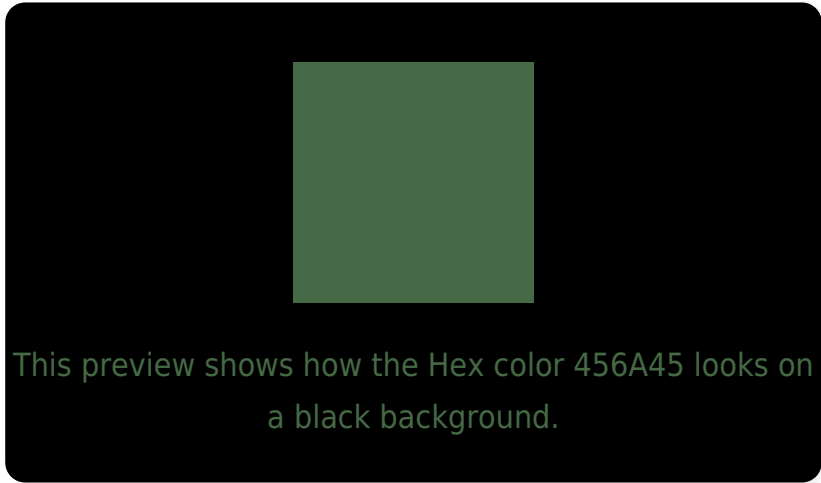
Large Text (above 18pt) WCAG AA ✓ Pass

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

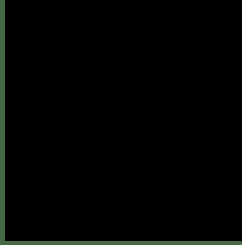
Any Text WCAG AA × Fail

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 456A45 Background



This preview shows how black text looks on a background with the Hex color 456A45.



This preview shows how white text looks on a background with the Hex color 456A45.

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
456A45

Protanopia
696141

Deuteranopia
725D48



Tritanopia
4D656D

Trichromacy



Original Color
456A45

Protanomaly
5C6442

Deuteranomaly
626247

Tritanomaly
4A675E

Monochromacy



Original Color
456A45

Achromatopsia
5B5B5B

Achromatomaly
536053

CSS Examples

Text

The CSS property to change the color of the text to Hex 456A45 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 #456A45 looks like.

```
.text, #text, p{  
    color:#456A45  
}
```

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 #456A45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456A45
}
```

Border

The CSS property to change the border of an element to Hex 456A45 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
#456A45 }
```

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

```
.border{ border-color:#456A45 }
```

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

Here you see how a box with a 4 pixel #456A45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456A45; -webkit-box-shadow:4px 4px  
4px 4px #456A45; box-shadow:4px 4px 4px  
4px #456A45 }
```

Background

The CSS property to change the background color of an element to Hex 456A45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456A45 }
```

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

```
.background{ background-color:#456A45 }
```

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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