

Converting Colors

Hex(236A31)

Have a look what the booklet for
Hex(236A31) contains.

Hex(236A31)	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(236A31)

Conversions

Conversions Part 1

Format	Color
Hex	236A31
RGB	35, 106, 49
RGB Percent	14%, 42%, 19%
CMY	0.8627, 0.5843, 0.8078
CMYK	0.67, 0.00, 0.54, 0.58
HSL	132°, 50%, 28%
HSV	132°, 67%, 42%
XYZ	6.4015, 10.8871, 4.6698
YIQ	78.2730, -24.0190, -32.7790

Conversions

Conversions Part 2

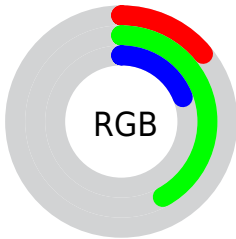
Format	Color
RYB	35, 94, 106
Decimal	2320945
CIELab	39.39, -35.32, 25.49
CIElCh	39, 43.556, 144.178
Yxy	10.8871, 0.2915, 0.4958
Android (android.graphics.Color)	4280511025 (0xFF236A31)
YUV	78.2730, -14.4316, -37.9504
Hunter-Lab	32.9957, -23.1113, 14.7059

Details

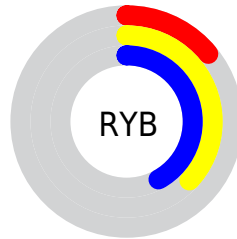
The Hex color **236A31** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6A235C**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **599E61**, and **003A02** is the 20% darker color. If you saturate the color by 10%, you get **186A28**, and if you desaturate by 10%, it is **2E6A3A**.

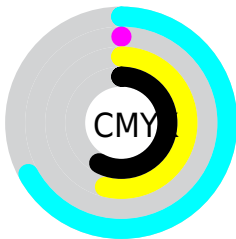
Distribution



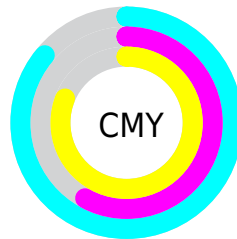
- Red (14%)
- Green (42%)
- Blue (19%)



- Red (14%)
- Yellow (37%)
- Blue (42%)



- Cyan (67%)
- Magenta (0%)
- Yellow (54%)
- Black (58%)



- Cyan (86%)
- Magenta (58%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 236A31 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 236A31 by changing the saturation by 10% instead.

 236A31

 236A31

FFFFFF

 00511B

 599E61

 003A02

 73B97A

 002500

 8ED594

 000000

 AAF2AF

 C6FFCA

 E2FFE6

 236A31


 236A31

 186A28

 2E6A3A

 0E6A20

 386A42

 036A17

 436A4B

 006A15

 4D6A53

 586A5C

 636A64

 6D6A6D

 786A75

 826A7E

Harmonies

Analogous

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



536315



236A31



006D54

Triad

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



236A31



0063A3



9C3E42

Complementary

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



236A31



6A235C

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.



993C65



236A31



50569E

Square

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



236A31



006A96



814787



8E4B23

Rectangle

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



236A31



006E6D



814787



9D3B4D

Sweetspot

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



236A31



6E8A74



5D6A23



344538



C4C4C4



454545

Same Dimension

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



236A31



1C8A31



236A54



303631



007517



00F530

Inverse Universe

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



6A235C



8A1C74



6A2339



363034



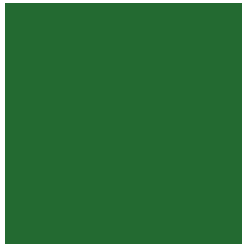
75005E



F500C5

Previews

White Background



This preview shows how the Hex color 236A31 looks on a white background.

Color Contrast Check

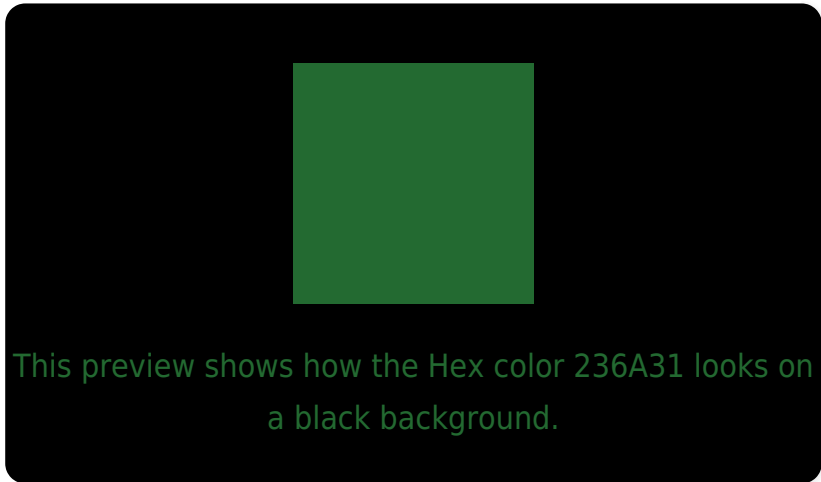
Large Text (above 18pt) WCAG AA ✓ Pass

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 236A31 Background



This preview shows how black text looks on a background with the Hex color 236A31.



This preview shows how white text looks on a background with the Hex color 236A31.

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
236A31

Protanopia
665C2D

Deuteranopia
705836



Tritanopia
34646C

Trichromacy



Original Color
236A31

Protanomaly
4E612E

Deuteranomaly
545F34

Tritanomaly
2E6657

Monochromacy



Original Color
236A31

Achromatopsia
4E4E4E

Achromatomaly
3E5843

CSS Examples

Text

The CSS property to change the color of the text to Hex 236A31 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 #236A31 looks like.

```
.text, #text, p{  
    color:#236A31  
}
```

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 #236A31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #236A31
}
```

Border

The CSS property to change the border of an element to Hex 236A31 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
#236A31 }
```

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

```
.border{ border-color:#236A31 }
```

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

Here you see how a box with a 4 pixel #236A31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #236A31; -webkit-box-shadow:4px 4px  
4px 4px #236A31; box-shadow:4px 4px 4px  
4px #236A31 }
```

Background

The CSS property to change the background color of an element to Hex 236A31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#236A31 }
```

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

```
.background{ background-color:#236A31 }
```

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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