

Converting Colors

Hex(165E2A)

Have a look what the booklet for
Hex(165E2A) contains.

Hex(165E2A)	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(165E2A)

Conversions

Conversions Part 1

Format	Color
Hex	165E2A
RGB	22, 94, 42
RGB Percent	9%, 37%, 16%
CMY	0.9137, 0.6314, 0.8353
CMYK	0.77, 0.00, 0.55, 0.63
HSL	137°, 62%, 23%
HSV	137°, 77%, 37%
XYZ	4.7515, 8.3431, 3.5504
YIQ	66.5440, -26.2200, -31.4360

Conversions

Conversions Part 2

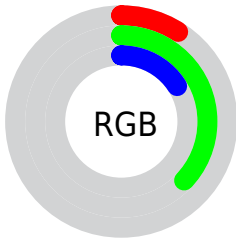
Format	Color
R_{YB}	22, 78, 94
Decimal	1465898
CIE _{Lab}	34.69, -34.29, 23.50
CIE _{LCh}	35, 41.568, 145.580
Yxy	8.3431, 0.2855, 0.5012
Android (android.graphics.Color)	4279655978 (0xFF165E2A)
YUV	66.5440, -12.1002, -39.0651
Hunter-Lab	28.8845, -21.1847, 12.9313

Details

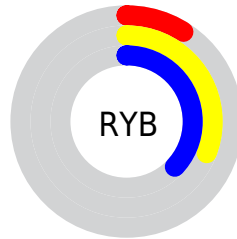
The Hex color **165E2A** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5E164A**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **4D9159**, and **002F00** is the 20% darker color. If you saturate the color by 10%, you get **0D5E23**, and if you desaturate by 10%, it is **1F5E31**.

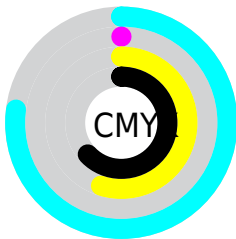
Distribution



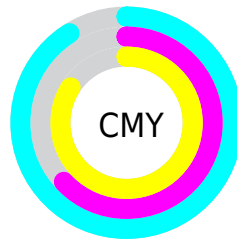
- Red (9%)
- Green (37%)
- Blue (16%)



- Red (9%)
- Yellow (31%)
- Blue (37%)



- Cyan (77%)
- Magenta (0%)
- Yellow (55%)
- Black (63%)



- Cyan (91%)
- Magenta (63%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 165E2A 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 165E2A by changing the saturation by 10% instead.

 165E2A

 165E2A

FFFFFF

 004614

 4D9159

 002F00

 67AC72

 001900

 82C88B

 000000

 9DE4A6

 B9FFC1

 D6FFDD

 F2FFFA

 165E2A

 165E2A

■ 0D5E23

■ 1F5E31

■ 035E1C

■ 295E38

■ 005E1A

■ 325E3E

■ 3C5E45

■ 455E4C

■ 4E5E53

■ 585E5A

■ 615E60

■ 6B5E67

Harmonies

Analogous

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



46580E



165E2A



00614B

Triad

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



165E2A



005794



8C3437

Complementary

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



165E2A



5E164A

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.



8A3258



165E2A



484B8E

Square

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



165E2A



005E88



753C77



7F411A

Rectangle

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



165E2A



006162



753C77



8D3242

Sweetspot

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



165E2A



5E7A66



4B5E16



2C3D31



BDBDBD



3D3D3D

Same Dimension

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



165E2A



0A7A29



165E4D



292E2B



006E1E



00ED42

Inverse Universe

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



5E164A



7A0A5B



5E1627



2E292D



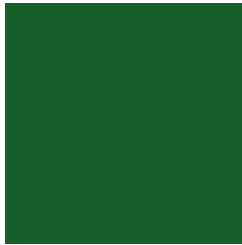
6E004F



ED00AB

Previews

White Background



This preview shows how the Hex color 165E2A looks on a white background.

Color Contrast Check

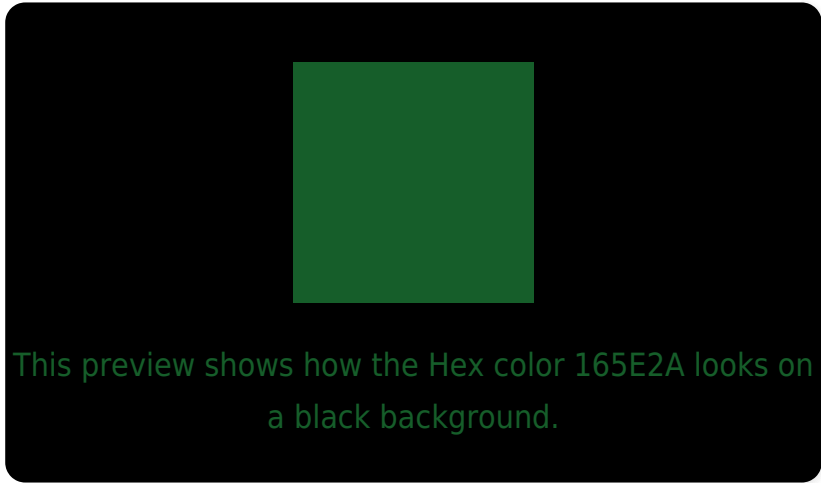
Large Text (above 18pt) WCAG AA ✓ Pass

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

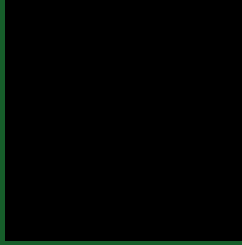
Any Text WCAG AA × Fail

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 165E2A Background



This preview shows how black text looks on a background with the Hex color 165E2A.



This preview shows how white text looks on a background with the Hex color 165E2A.

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](#).

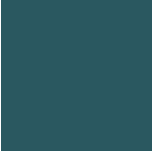
Dichromacy



Original Color
165E2A

Protanopia
5A5126

Deuteranopia
634E2E



Tritanopia
2A5860

Trichromacy



Original Color
165E2A

Protanomaly
415627

Deuteranomaly
47542D

Tritanomaly
235A4C

Monochromacy



Original Color
165E2A

Achromatopsia
434343

Achromatomaly
334D3A

CSS Examples

Text

The CSS property to change the color of the text to Hex 165E2A 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 #165E2A looks like.

```
.text, #text, p{  
    color:#165E2A  
}
```

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 #165E2A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #165E2A
}
```

Border

The CSS property to change the border of an element to Hex 165E2A 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
#165E2A }
```

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

```
.border{ border-color:#165E2A }
```

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

Here you see how a box with a 4 pixel #165E2A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #165E2A; -webkit-box-shadow:4px 4px  
4px 4px #165E2A; box-shadow:4px 4px 4px  
4px #165E2A }
```

Background

The CSS property to change the background color of an element to Hex 165E2A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#165E2A }
```

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

```
.background{ background-color:#165E2A }
```

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