

# Converting Colors

Hex(2E4228)

Have a look what the booklet for  
Hex(2E4228) contains.

<b>Hex(2E4228)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(2E4228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E4228
RGB	46, 66, 40
RGB Percent	18%, 26%, 16%
CMY	0.8196, 0.7412, 0.8431
CMYK	0.30, 0.00, 0.39, 0.74
HSL	106°, 25%, 21%
HSV	106°, 39%, 26%
XYZ	3.4579, 4.6305, 2.7190
YIQ	57.0560, -3.5740, -12.3260

# Conversions

## Conversions Part 2

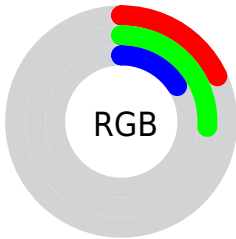
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 66, 60
Decimal	3031592
CIELab	25.65, -13.87, 13.36
CIELCh	26, 19.258, 136.072
Yxy	4.6305, 0.3200, 0.4285
Android (android.graphics.Color)	4281221672 (0xFF2E4228)
YUV	57.0560, -8.4086, -9.6961
Hunter-Lab	21.5185, -8.9733, 7.5713

# Details

The Hex color **2E4228** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3C2842**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **5D7255**, and **001800** is the 20% darker color. If you saturate the color by 10%, you get **294221**, and if you desaturate by 10%, it is **33422F**.

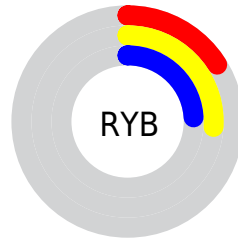
# Distribution



Red (18%)

Green (26%)

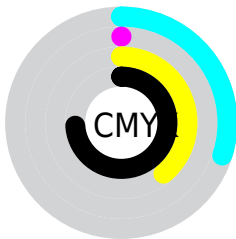
Blue (16%)



Red (16%)

Yellow (26%)

Blue (24%)

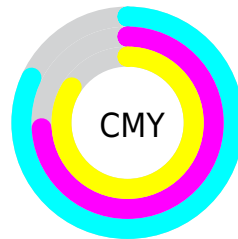


Cyan (30%)

Magenta (0%)

Yellow (39%)

Black (74%)



Cyan (82%)

Magenta (74%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E4228 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 2E4228 by changing the saturation by 10% instead.



 2E4228

 2E4228

FFFFFF

 182C13

 5D7255

 001800

 758C6E

 000000

 8FA687

 AAC1A1

 C5DDBC

 E1FAD8

 FEFFF5

 2E4228

 2E4228

■ 294221

■ 33422F

■ 24421B

■ 384235

■ 1F4214

■ 3D423C

■ 1A420E

■ 424242

■ 154207

■ 474249

■ 104200

■ 4C4250

■ 0F4200

■ 524256

■ 57425D

■ 5C4263

# Harmonies

## Analogous

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



3E3E20



2E4228



1B4435

# Triad

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



2E4228



1A4059



593135

# Complementary

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



2E4228



3C2842

# 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.



553244



2E4228



343C59

# Square

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



2E4228



004351



483651



563528

# Rectangle

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



2E4228



0A453F



483651



59313A



# Sweetspot

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



2E4228



4F574C



423C28



272B25



ABABAB



2B2B2B



# Same Dimension

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



2E4228



37572E



28422F



1F211E



166100



34E000



# Inverse Universe

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



3C2842



4D2E57



42283B



201E21



4B0061

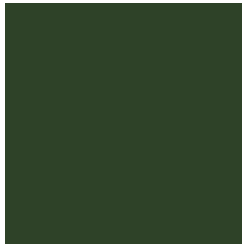


AD00E0



# Previews

## White Background



This preview shows how the Hex color 2E4228 looks on a white background.

## Color Contrast Check

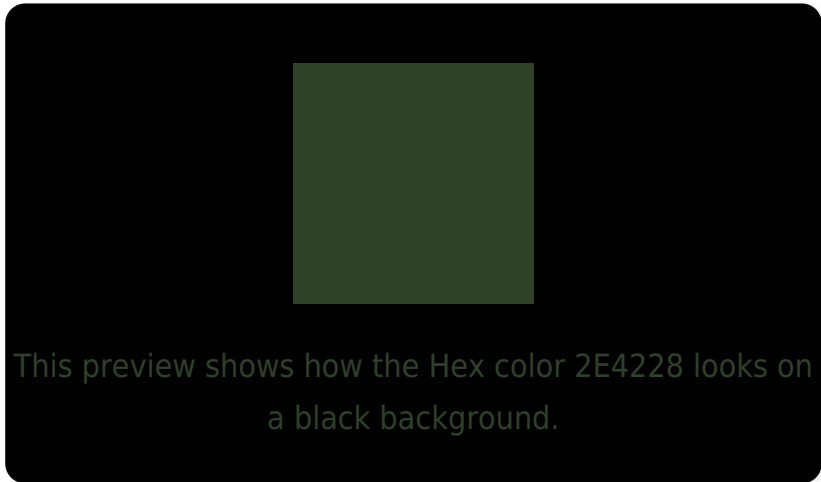
Large Text (above 18pt) WCAG AA ✓ Pass

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

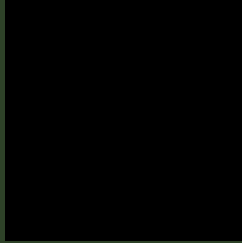
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E4228 Background



This preview shows how black text looks on a background with the Hex color 2E4228.



This preview shows how white text looks on a background with the Hex color 2E4228.

# 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](#).

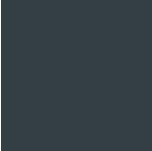
## Dichromacy



**Original Color**  
2E4228

**Protanopia**  
423D26

**Deuteranopia**  
483A2A



**Tritanopia**  
333F44

# Trichromacy



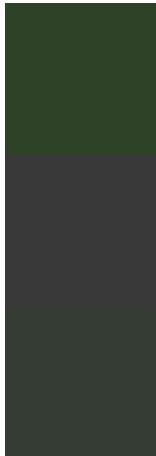
**Original Color**  
2E4228

**Protanomaly**  
3B3F27

**Deuteranomaly**  
3F3D29

**Tritanomaly**  
31403A

# Monochromacy



**Original Color**  
2E4228

**Achromatopsia**  
393939

**Achromatomaly**  
353C33

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E4228 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 #2E4228 looks like.

```
.text, #text, p{  
    color:#2E4228  
}
```

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 #2E4228 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E4228
}
```

## Border

The CSS property to change the border of an element to Hex 2E4228 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
#2E4228 }
```

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

```
.border{ border-color:#2E4228 }
```

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

Here you see how a box with a 4 pixel #2E4228 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E4228; -webkit-box-shadow:4px 4px  
4px 4px #2E4228; box-shadow:4px 4px 4px  
4px #2E4228 }
```

# Background

The CSS property to change the background color of an element to Hex 2E4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E4228 }
```

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

```
.background{ background-color:#2E4228 }
```

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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