

# Converting Colors

Hex(2E1320)

Have a look what the booklet for  
Hex(2E1320) contains.

<b>Hex(2E1320)</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(2E1320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E1320
RGB	46, 19, 32
RGB Percent	18%, 7%, 13%
CMY	0.8196, 0.9255, 0.8745
CMYK	0.00, 0.59, 0.30, 0.82
HSL	331°, 42%, 13%
HSV	331°, 59%, 18%
XYZ	1.6203, 1.1509, 1.5032
YIQ	28.5550, 11.9190, 9.7670

# Conversions

## Conversions Part 2

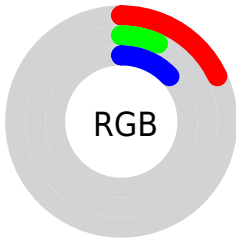
Format	Color
<b>RYB</b>	46, 19, 32
Decimal	3019552
CIELab	10.19, 15.80, -2.82
CIELCh	10, 16.046, 349.863
Yxy	1.1509, 0.3791, 0.2692
Android (android.graphics.Color)	4281209632 (0xFF2E1320)
YUV	28.5550, 1.6984, 15.2993
Hunter-Lab	10.7279, 8.1862, -0.7985

# Details

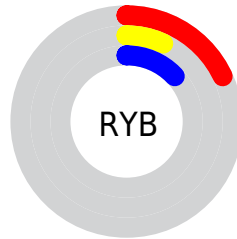
The Hex color **2E1320** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **132E21**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **5D3E4C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2E0E1E**, and if you desaturate by 10%, it is **2E1822**.

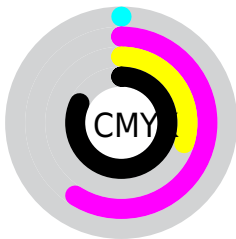
# Distribution



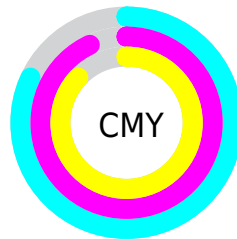
- Red (18%)
- Green (7%)
- Blue (13%)



- Red (18%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (59%)
- Yellow (30%)
- Black (82%)



- Cyan (82%)
- Magenta (93%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E1320 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 2E1320 by changing the saturation by 10% instead.



 2E1320

 2E1320

 FFF5FF

 1C0008

 5D3E4C

 000000

 765664

 906E7D

 AB8896

 C6A2B1

 E2BDCD

 FFD9E9

 2E1320

 2E1320

■ 2E0E1E

■ 2E1822

■ 2E0A1B

■ 2E1C25

■ 2E0519

■ 2E2127

■ 2E0116

■ 2E252A

■ 2E0016

■ 2E2A2C

■ 2E2F2E

■ 2E3331

■ 2E3833

■ 2E3C35

# Harmonies

## Analogous

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



26162A



2E1320



301315

# Triad

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



2E1320



1D1D00



00202C

# Complementary

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



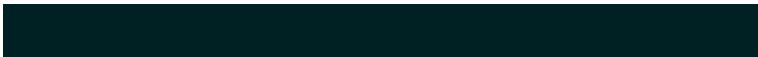
2E1320



132E21

# 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.



002123



2E1320



0F200B

# Square

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



2E1320



271A00



002118



001E31

# Rectangle

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



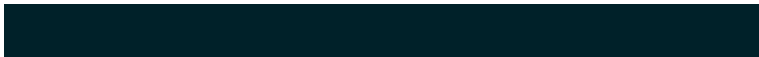
2E1320



2F150D



002118



002129



# Sweetspot

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



2E1320



3B3035



21132E



1F181B



9E9E9E



1F1F1F



# Same Dimension

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



2E1320



3B1225



2E1313



171516



57002A



D60067



# Inverse Universe

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



2E1320



3B1225



132E2E



171516



57002A

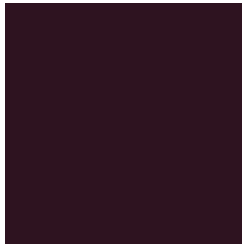


D60067



# Previews

## White Background



This preview shows how the Hex color 2E1320 looks on a white background.

## Color Contrast Check

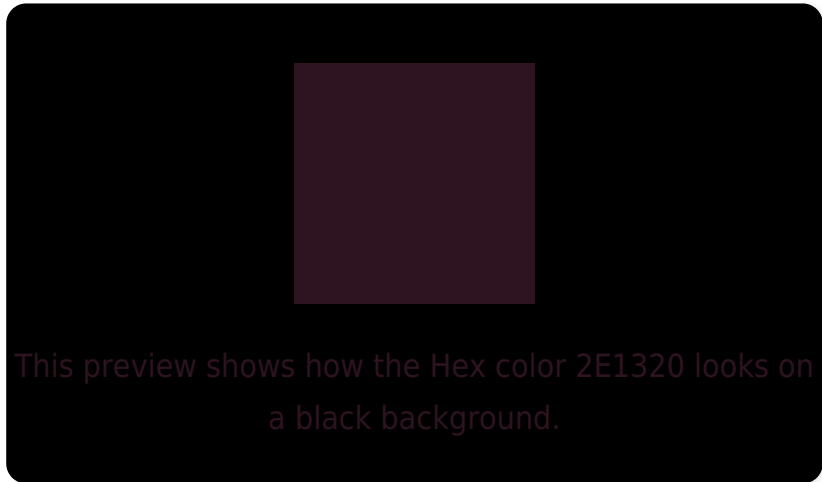
Large Text (above 18pt) WCAG AA ✓ Pass

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

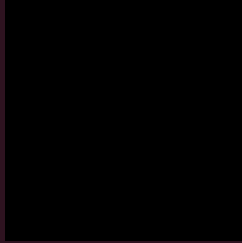
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E1320 Background



This preview shows how black text looks on a background with the Hex color 2E1320.



This preview shows how white text looks on a background with the Hex color 2E1320.

# 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](#).

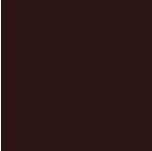
## Dichromacy



**Original Color**  
2E1320

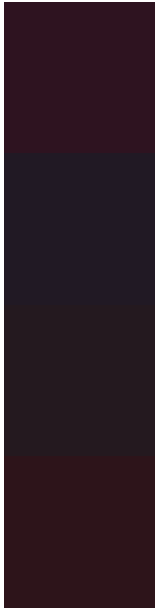
**Protanopia**  
1A1C26

**Deuteranopia**  
1F1C1F



**Tritanopia**  
2D1517

# Trichromacy



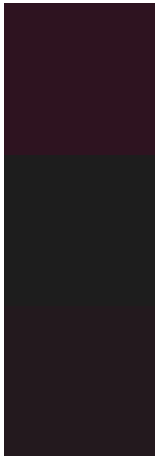
**Original Color**  
2E1320

**Protanomaly**  
211924

**Deuteranomaly**  
24191F

**Tritanomaly**  
2D141A

# Monochromacy



**Original Color**  
2E1320

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
23191E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E1320 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 #2E1320 looks like.

```
.text, #text, p{  
    color:#2E1320  
}
```

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 #2E1320 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E1320
}
```

## Border

The CSS property to change the border of an element to Hex 2E1320 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".

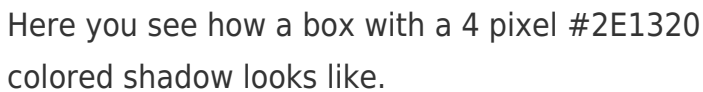
```
.border, #border, table{ border:4px solid
#2E1320 }
```

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

```
.border{ border-color:#2E1320 }
```

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

Here you see how a box with a 4 pixel #2E1320 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The box is white with a thin dark red border on the top and left sides, and a thicker dark red shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E1320; -webkit-box-shadow:4px 4px  
4px 4px #2E1320; box-shadow:4px 4px 4px  
4px #2E1320 }
```

# Background

The CSS property to change the background color of an element to Hex 2E1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E1320 }
```

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

```
.background{ background-color:#2E1320 }
```

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