

# Converting Colors

Hex(E33B53)

Have a look what the booklet for  
Hex(E33B53) contains.

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# Color

Hex(E33B53)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E33B53
RGB	227, 59, 83
RGB Percent	89%, 23%, 33%
CMY	0.1098, 0.7686, 0.6745
CMYK	0.00, 0.74, 0.63, 0.11
HSL	351°, 75%, 56%
HSV	351°, 74%, 89%
XYZ	34.8039, 20.0834, 10.2257
YIQ	111.9680, 92.4240, 43.0800

# Conversions

## Conversions Part 2

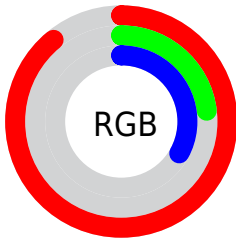
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 59, 83
Decimal	14891859
CIE <sub>Lab</sub>	51.93, 64.90, 26.21
CIE <sub>LCh</sub>	52, 69.998, 21.993
Yxy	20.0834, 0.5345, 0.3084
Android (android.graphics.Color)	4293081939 (0xFFE33B53)
YUV	111.9680, -14.2812, 100.8831
Hunter-Lab	44.8145, 60.2016, 17.8414

# Details

The Hex color **E33B53** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **3BE3CB**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **FF7784**, and **A40027** is the 20% darker color. If you saturate the color by 10%, you get **E32440**, and if you desaturate by 10%, it is **E35266**.

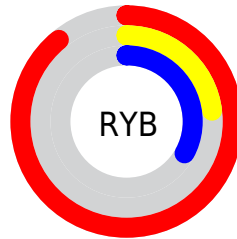
# Distribution



Red (89%)

Green (23%)

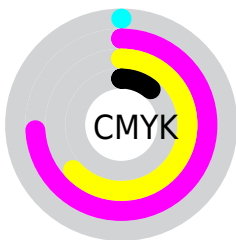
Blue (33%)



Red (89%)

Yellow (23%)

Blue (33%)

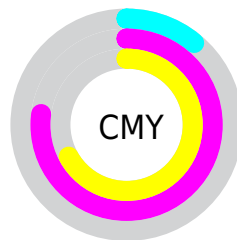


Cyan (0%)

Magenta (74%)

Yellow (63%)

Black (11%)



Cyan (11%)

Magenta (77%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E33B53 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 E33B53 by changing the saturation by 10% instead.



 E33B53

 E33B53

FFFFFF

 C3133C

 FF7784

 A40027

 FF949E

 850013

 FFB0B9

 670000

 FFCED5

 4A0003

 FFEBF1

 2B0001

 000000

 E33B53

 E33B53

 E32440

 E35266

 E30E2C

 E3687A

 E30020

 E37F8D

 E396A1

 E3ADB4

 E3C3C8

 E3DADB

 E3F1EF

 E3FFFF

# Harmonies

## Analogous

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



DD378F



E33B53



CD5918

# Triad

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



E33B53



00902A



0088F4

# Complementary

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



E33B53



3BE3CB

# 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.



0093DA



E33B53



009569

# Square

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



E33B53



6C8600



0096A7



5173EC

# Rectangle

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



E33B53



B36B00



0096A7



008DEF



# Sweetspot

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



E33B53



FFC7CF



CA3BE3



805E63



000000



808080



# Same Dimension

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



E33B53



FF1C3C



E3763B



736769



B30019



330007



# Inverse Universe

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



E33B53



FF1C3C



3BA8E3



736769



B30019

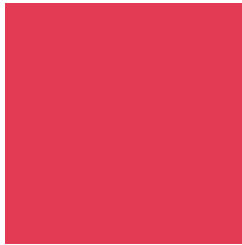


330007



# Previews

## White Background



This preview shows how the Hex color E33B53 looks on a white background.

## Color Contrast Check

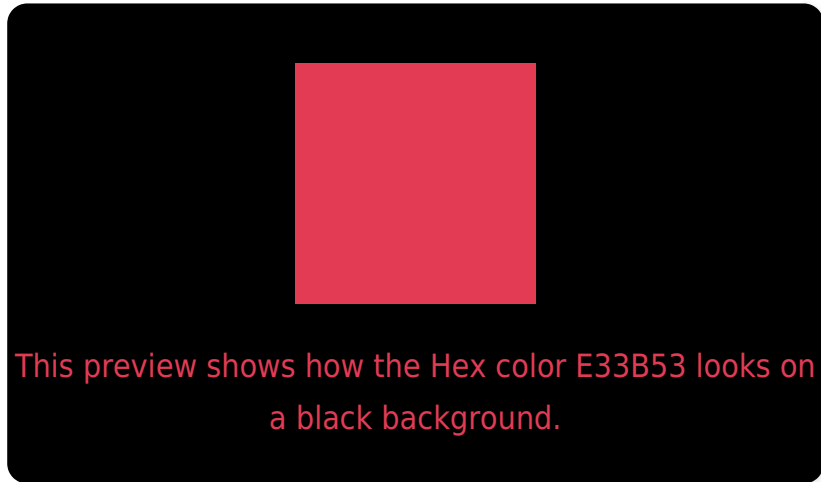
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex E33B53 Background



This preview shows how black text looks on a background with the Hex color E33B53.

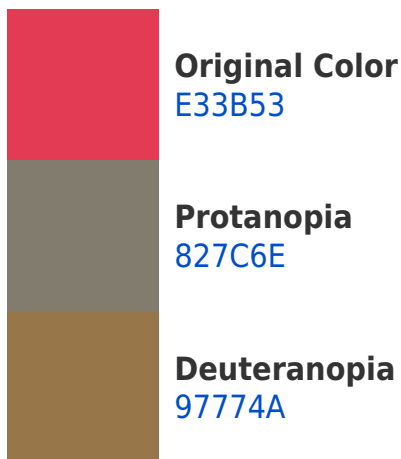


This preview shows how white text looks on a background with the Hex color E33B53.

# 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





**Tritanopia**  
E23E41

# Trichromacy



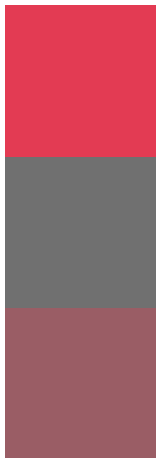
**Original Color**  
E33B53

**Protanomaly**  
A56464

**Deuteranomaly**  
B3614D

**Tritanomaly**  
E23D48

# Monochromacy



**Original Color**  
E33B53

**Achromatopsia**  
707070

**Achromatomaly**  
9A5D65

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E33B53 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 #E33B53 looks like.

```
.text, #text, p{  
  color:#E33B53  
}
```

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 #E33B53 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E33B53
}
```

## Border

The CSS property to change the border of an element to Hex E33B53 is called "border". The border property can be set on classes, ids or directly on the HTML element.

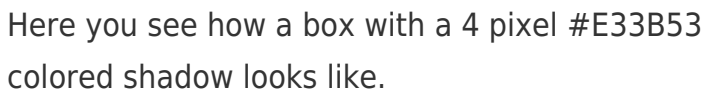
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#E33B53 }
```

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

```
.border{ border-color:#E33B53 }
```

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



Here you see how a box with a 4 pixel `#E33B53` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E33B53; -webkit-box-shadow:4px 4px  
4px 4px #E33B53; box-shadow:4px 4px 4px  
4px #E33B53 }
```

# Background

The CSS property to change the background color of an element to Hex E33B53 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E33B53 }
```

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

```
.background{ background-color:#E33B53 }
```

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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