

# Converting Colors

Hex(E81601)

Have a look what the booklet for  
Hex(E81601) contains.

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**Color**

**Hex(E81601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E81601
RGB	232, 22, 1
RGB Percent	91%, 9%, 0%
CMY	0.0902, 0.9137, 0.9961
CMYK	0.00, 0.91, 1.00, 0.09
HSL	5°, 99%, 46%
HSV	5°, 100%, 91%
XYZ	33.5711, 17.7318, 1.6819
YIQ	82.3960, 131.9010, 37.9890

# Conversions

## Conversions Part 2

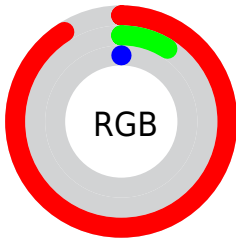
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 24, 1
Decimal	15209985
CIE Lab	49.17, 72.54, 62.55
CIE LCh	49, 95.781, 40.773
Yxy	17.7318, 0.6336, 0.3347
Android (android.graphics.Color)	4293400065 (0xFFE81601)
YUV	82.3960, -40.1282, 131.2027
Hunter-Lab	42.1092, 68.6163, 27.1083

# Details

The Hex color **E81601** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **01D3E8**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **FF6139**, and **A60000** is the 20% darker color. If you saturate the color by 10%, you get **E81500**, and if you desaturate by 10%, it is **E82B18**.

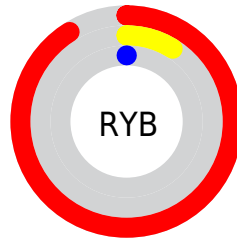
# Distribution



Red (91%)

Green (9%)

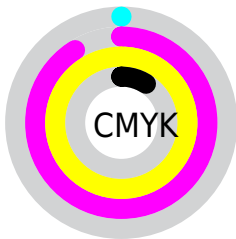
Blue (0%)



Red (91%)

Yellow (9%)

Blue (0%)

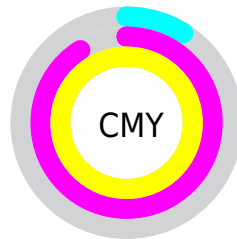


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (91%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E81601 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 E81601 by changing the saturation by 10% instead.



 E81601

 E81601

 FFFFFFF6

 C70000

 FF6139

 A60000

 FF7F53

 850000

 FF9D6C

 650001

 FFBA87

 480004

 FFD8A1

 270001

 FFF6BD

 000000

 FFFFD9

 E81601

 E81601

 E81500

 E82B18

 E8402F

 E85547

 E86A5E

 E87F75

 E8958C

 E8AAA3

 E8BFBB

 E8D4D2

# Harmonies

## Analogous

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



FC005C



E81601



B85C00

# Triad

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



E81601



00913A



0077FF

# Complementary

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



E81601



01D3E8

# 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.



008DFF



E81601



009491

# Square

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



E81601



008B00



0094DF



944BF2

# Rectangle

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



E81601



8D7300



0094DF



0081FF



# Sweetspot

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



E81601



FFB9B3



E801D5



805652



000000



808080



# Same Dimension

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



E81601



FF1700



E88801



736867



B31000



330500



# Inverse Universe

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



01D3E8



00E8FF



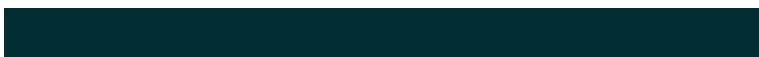
0161E8



677273



00A2B3



002E33



# Previews

## White Background



This preview shows how the Hex color E81601 looks on a white background.

## Color Contrast Check

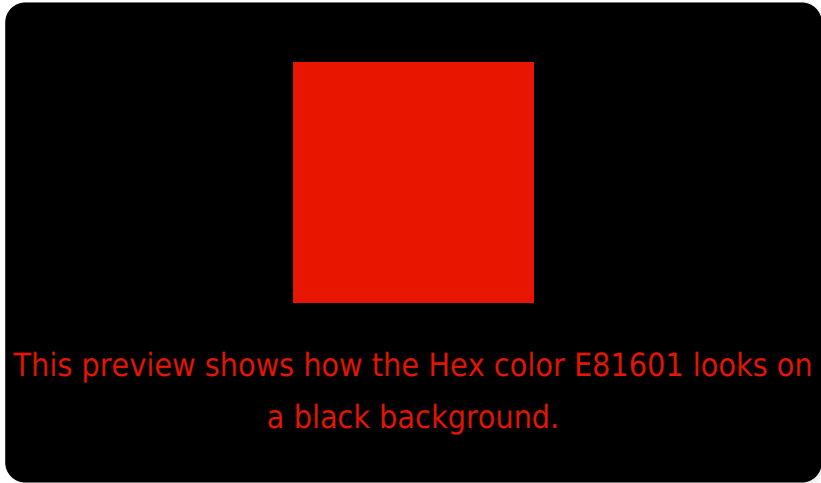
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 E81601 Background



This preview shows how black text looks on a background with the Hex color E81601.



This preview shows how white text looks on a background with the Hex color E81601.

# 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**  
E81601

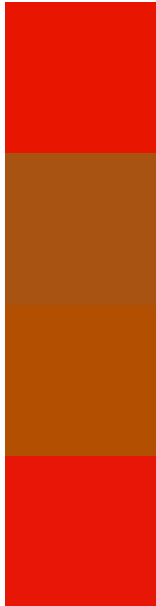
**Protanopia**  
85761E

**Deuteranopia**  
957000



**Tritanopia**  
E8160A

# Trichromacy



**Original Color**  
E81601

**Protanomaly**  
A95313

**Deuteranomaly**  
B34F00

**Tritanomaly**  
E81607

# Monochromacy



**Original Color**  
E81601

**Achromatopsia**  
525252

**Achromatomaly**  
893C35

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E81601 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 #E81601 looks like.

```
.text, #text, p{  
    color:#E81601  
}
```

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 #E81601 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E81601
}
```

## Border

The CSS property to change the border of an element to Hex E81601 is called "border". The border property can be set on classes, ids or directly on the HTML element.

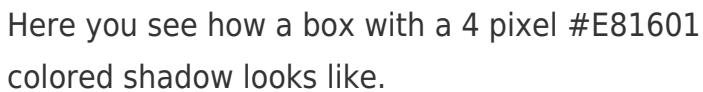
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#E81601 }
```

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

```
.border{ border-color:#E81601 }
```

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



Here you see how a box with a 4 pixel #E81601 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E81601; -webkit-box-shadow:4px 4px  
4px 4px #E81601; box-shadow:4px 4px 4px  
4px #E81601 }
```

# Background

The CSS property to change the background color of an element to Hex E81601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E81601 }
```

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

```
.background{ background-color:#E81601 }
```

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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