

# Converting Colors

YIQ(117.1520, 85.9140, 39.9140)

Have a look what the booklet for  
YIQ(117.1520, 85.9140, 39.9140)  
contains.

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# Color

**YIQ(117.1520, 85.9140,  
39.9140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0445A
RGB	224, 68, 90
RGB Percent	88%, 27%, 35%
CMY	0.1212, 0.7335, 0.6467
CMYK	0.00, 0.70, 0.60, 0.12
HSL	351°, 72%, 57%
HSV	351°, 70%, 88%
XYZ	34.6830, 20.7289, 11.8644
YIQ	117.1520, 85.9140, 39.9140

# Conversions

## Conversions Part 2

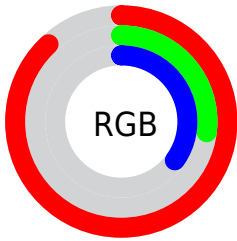
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 68, 90
Decimal	14697562
CIE <sub>Lab</sub>	52.65, 61.39, 22.84
CIE <sub>LCh</sub>	53, 65.496, 20.407
Yxy	20.7289, 0.5155, 0.3081
Android (android.graphics.Color)	4292887642 (0xFFE0445A)
YUV	117.1520, -13.3859, 93.7057
Hunter-Lab	45.5290, 56.3018, 16.4199

# Details

The YIQ color **117.1520, 85.9140, 39.9140** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **174.8480, -85.9140, -39.9140**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **166.1670, 72.3900, 31.7020**, and **53.5680, 82.1070, 48.3390** is the 20% darker color. If you saturate the color by 10%, you get **102.0720, 98.0630, 45.5110**, and if you desaturate by 10%, it is **132.2320, 73.7650, 34.3170**.

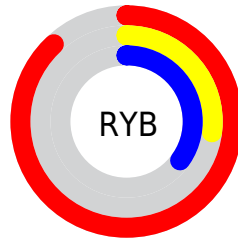
# Distribution



Red (88%)

Green (27%)

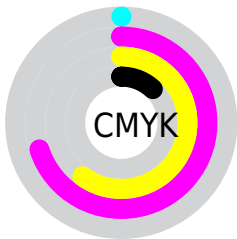
Blue (35%)



Red (88%)

Yellow (27%)

Blue (35%)

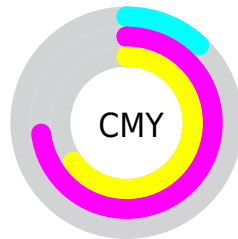


Cyan (0%)

Magenta (70%)

Yellow (60%)

Black (12%)



Cyan (12%)

Magenta (73%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 117.1520, 85.9140, 39.9140 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 YIQ color 117.1520, 85.9140, 39.9140 by changing the saturation by 10% instead.





 117.1520, 85.9140,  
39.9140


 117.1520, 85.9140,  
39.9140


255.0000, -0.0000,  
-0.0000


 85.8900, 83.8960,  
43.4480


 166.1670, 72.3900,  
31.7020


 53.5680, 82.1070,  
48.3390


 185.5670, 56.3440,  
25.1440


 42.3180, 70.6470,  
35.7590


 205.6680, 39.7020,  
18.3740

 30.4980, 60.7920,  
21.6240

 225.8830, 22.7390,  
11.9150

 22.0550, 42.8660,  
16.0980

 246.2120, 5.4550,  
5.7670

 12.6720, 24.7110,  
9.2150

 0.0000, 0.0000,

0.0000

■ 117.1520, 85.9140,  
39.9140

■ 117.1520, 85.9140,  
39.9140

■ 102.0720, 98.0630,  
45.5110

■ 132.2320, 73.7650,  
34.3170

■ 86.4050, 110.4870,  
51.6310

■ 148.0130, 61.0200,  
28.5080

■ 71.2110, 122.9570,  
56.9170

■ 163.0930, 48.8710,  
22.9110

■ 70.6240, 123.2320,  
57.4400

■ 178.7600, 36.4470,  
16.7910

■ 193.8400, 24.2980,  
11.1940

■ 208.9200, 12.1490,  
5.5970

■ 224.7010, -0.5960,  
-0.2120

■ 239.7810,  
-12.7450, -5.8090

■ 245.7310,  
-18.4760, -6.5720

# Harmonies

## Analogous

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



120.5570, 63.4450, 56.1570



117.1520, 85.9140, 39.9140



119.6310, 84.6820, 7.1620

# Triad

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



117.1520, 85.9140, 39.9140



100.3400, -35.2940, -54.2220



108.0240, -114.0270, 1.5330

# Complementary

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



117.1520, 85.9140, 39.9140



174.8480, -85.9140, -39.9140

# 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.



111.0440, -108.7520, -11.4720



117.1520, 85.9140, 39.9140



100.0200, -74.9550, -45.7950

# Square

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



117.1520, 85.9140, 39.9140



113.0430, 31.6900, -45.7020



107.2190, -93.8480, -28.2800



120.8190, -58.3250, 27.2990



# Rectangle

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



117.1520, 85.9140, 39.9140



118.1020, 77.9010, -18.6350



107.2190, -93.8480, -28.2800



109.8020, -113.5220, -2.1140

# Sweetspot

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



117.1520, 85.9140, 39.9140



218.0580, 29.6160, 13.9360



125.5510, 29.1920, 76.7120



106.0240, 17.7880, 8.0280



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



117.1520, 85.9140, 39.9140



108.4060, 117.9140, 54.6980



146.9290, 77.8510, 4.3070



104.5170, 5.9140, 2.9540



55.4740, 96.8710, 45.0870



15.1500, 26.3610, 12.3530



# Inverse Universe

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



117.1520, 85.9140, 39.9140



108.4060, 117.9140, 54.6980



145.0710, -77.8510, -4.3070



104.5170, 5.9140, 2.9540



55.4740, 96.8710, 45.0870

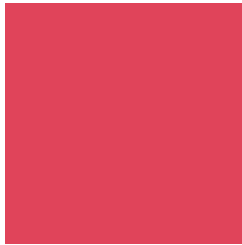


15.1500, 26.3610, 12.3530



# Previews

## White Background



This preview shows how the YIQ color 117.1520, 85.9140, 39.9140 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



This preview shows how the YIQ color 117.1520, 85.9140, 39.9140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

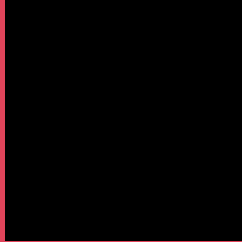
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 117.1520, 85.9140, 39.9140

## Background



This preview shows how black text looks on a background with the YIQ color 117.1520, 85.9140, 39.9140.



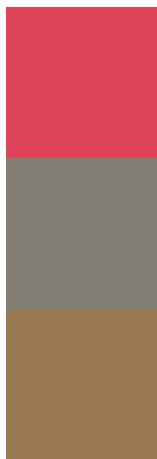
This preview shows how white text looks on a background with the YIQ color 117.1520, 85.9140,

39.9140.

# 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

117.1520, 85.9140, 39.9140

### Protanopia

126.3550, 6.1900, -2.0500

### Deuteranopia

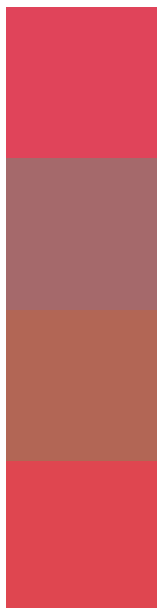
125.8230, 30.9950, -5.5570



## Tritanopia

116.7900, 89.6290, 33.1570

# Trichromacy



## Original Color

117.1520, 85.9140, 39.9140

## Protanomaly

123.1680, 35.1180, 13.3420

## Deuteranomaly

122.7860, 50.7530, 10.8250

## Tritanomaly

116.8870, 87.9780, 35.5460

# Monochromacy



## Original Color

117.1520, 85.9140, 39.9140

## Achromatopsia

117.0000, -0.0000, 0.0000

## Achromatomaly

116.9550, 31.4040, 14.5720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 117.1520, 85.9140, 39.9140 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 `rgb(224, 68, 90)` looks like.

```
.text, #text, p{  
    color:rgb(224, 68, 90)  
}
```

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 rgb(224, 68, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 68, 90) }
```

## Border

The CSS property to change the border of an element to YIQ 117.1520, 85.9140, 39.9140 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 rgb(224, 68, 90) }
```



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

```
.border{ border-color:rgb(224, 68, 90) }
```

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

Here you see how a box with a 4 pixel rgb(224, 68, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 68, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 68, 90);  
box-shadow:4px 4px 4px 4px rgb(224, 68,  
90) }
```

# Background

The CSS property to change the background color of an element to YIQ 117.1520, 85.9140, 39.9140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 68, 90) }
```

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

```
.background{ background-color: rgb(224, 68,  
90) }
```

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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