

Converting Colors

YIQ(78.4600, 109.7950, 75.1950)

Have a look what the booklet for
YIQ(78.4600, 109.7950, 75.1950)
contains.

YIQ(78.4600, 109.7950, 75.1950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(78.4600, 109.7950,
75.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	E60055
RGB	230, 0, 85
RGB Percent	90%, 0%, 33%
CMY	0.0974, 0.9998, 0.6663
CMYK	0.00, 1.00, 0.63, 0.10
HSL	338°, 100%, 45%
HSV	338°, 100%, 90%
XYZ	34.3257, 17.5057, 10.1838
YIQ	78.4600, 109.7950, 75.1950

Conversions

Conversions Part 2

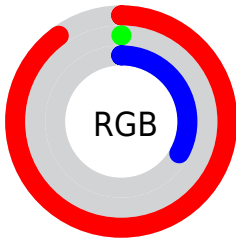
Format	Color
R_YB	230, 0, 85
Decimal	15073365
CIE Lab	48.89, 76.36, 21.10
CIE LCh	49, 79.224, 15.443
Yxy	17.5057, 0.5535, 0.2823
Android (android.graphics.Color)	4293263445 (0xFFE60055)
YUV	78.4600, 3.2242, 132.9006
Hunter-Lab	41.8398, 73.2231, 14.8568

Details

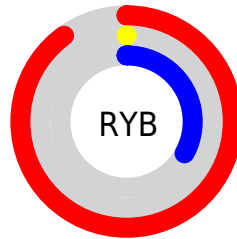
The YIQ color **78.4600, 109.7950, 75.1950** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **151.5400, -109.7950, -75.1950**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **146.1120, 83.3910, 47.0950**, and **54.3080, 85.7750, 47.9430** is the 20% darker color. If you saturate the color by 10%, you get **78.4600, 109.7950, 75.1950**, and if you desaturate by 10%, it is **93.6710, 98.6550, 67.8310**.

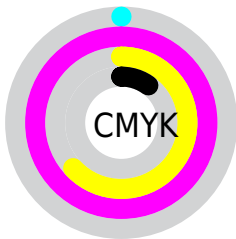
Distribution



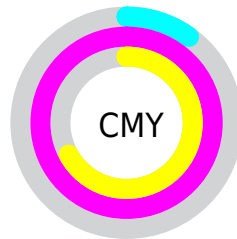
- Red (90%)
- Green (0%)
- Blue (33%)



- Red (90%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 78.4600, 109.7950, 75.1950 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 78.4600, 109.7950, 75.1950 by changing the saturation by 10% instead.


 78.4600, 109.7950,
75.1950


 78.4600, 109.7950,
75.1950


255.0000, -0.0000,
-0.0000


 66.2700, 98.1060,
61.2580


 146.1120, 83.3910,
47.0950


 54.3080, 85.7750,
47.9430


 167.2730, 66.5200,
38.9680


 42.8730, 73.3980,
35.4620


 187.9610, 49.6030,
31.6750

 31.3240, 61.3420,
22.6700

 208.7630, 32.3650,
24.6930

 22.5820, 42.8200,
16.9320

 229.5650, 15.1270,
17.7110

 12.3730, 24.1150,
9.0030

 248.5430, 3.0250,

 0.0000, 0.0000,

5.7530

0.0000

■ 78.4600, 109.7950,
75.1950

■ 93.6710, 98.6550,
67.8310

■ 108.7680, 87.8360,
60.1560

■ 123.9790, 76.6960,
52.7920

■ 139.0760, 65.8770,
45.1170

■ 154.2870, 54.7370,
37.7530

■ 169.3840, 43.9180,
30.0780

■ 184.5950, 32.7780,
22.7140

■ 199.6920, 21.9590,
15.0390

■ 214.9030, 10.8190,
7.6750

Harmonies

Analogous

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



95.1250, 74.4900, 81.7700



78.4600, 109.7950, 75.1950



102.3670, 103.3410, 15.9250

Triad

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



78.4600, 109.7950, 75.1950



79.8320, -37.4000, -71.1280



106.9300, -116.4580, 7.0460

Complementary

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



78.4600, 109.7950, 75.1950



151.5400, -109.7950, -75.1950

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.



107.5220, -107.1020, -8.3340



78.4600, 109.7950, 75.1950



92.4740, -64.7300, -49.3860

Square

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



78.4600, 109.7950, 75.1950



105.3790, 30.8640, -41.7440



101.6280, -87.7500, -28.6620



94.6030, -110.6830, 18.0290

Rectangle

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



78.4600, 109.7950, 75.1950



108.4330, 84.6390, -8.5850



101.6280, -87.7500, -28.6620



108.2520, -114.6690, 2.1550

Sweetspot

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



78.4600, 109.7950, 75.1950



204.9160, 36.3080, 24.8200



68.6780, 10.8020, 101.6340



97.6920, 21.9590, 15.0390



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.



78.4600, 109.7950, 75.1950



86.9610, 121.8060, 83.2940



84.6190, 129.6550, 34.6390



107.1580, 5.5470, 4.0990



61.0450, 85.4980, 58.4740



17.4150, 24.2970, 16.7210

Inverse Universe

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



78.4600, 109.7950, 75.1950



86.9610, 121.8060, 83.2940



145.3810, -129.6550, -34.6390



107.1580, 5.5470, 4.0990



61.0450, 85.4980, 58.4740



17.4150, 24.2970, 16.7210

Previews

White Background



This preview shows how the YIQ color 78.4600, 109.7950, 75.1950 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



This preview shows how the YIQ color 78.4600, 109.7950, 75.1950 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 78.4600, 109.7950, 75.1950

Background



This preview shows how black text looks on a background with the YIQ color 78.4600, 109.7950, 75.1950.



This preview shows how white text looks on a background with the YIQ color 78.4600, 109.7950,

75.1950.

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

78.4600, 109.7950, 75.1950

Protanopia

118.2110, -1.9720, 2.7000

Deuteranopia

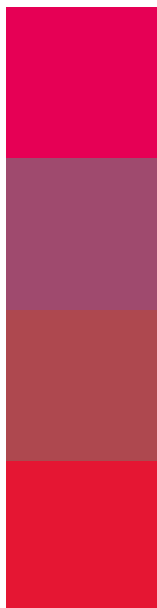
117.3390, 29.4820, -5.6700



Tritanopia

91.6640, 116.5870, 40.1950

Trichromacy



Original Color

78.4600, 109.7950, 75.1950

Protanomaly

103.5190, 39.1040, 29.2160

Deuteranomaly

103.2960, 58.5450, 23.8010

Tritanomaly

87.1990, 114.0630, 52.9030

Monochromacy



Original Color

78.4600, 109.7950, 75.1950

Achromatopsia

79.0000, -0.0000, 0.0000

Achromatomaly

78.6500, 40.1130, 27.4490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.4600, 109.7950, 75.1950 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(230, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 85)  
}
```

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(230, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 85) }
```

Border

The CSS property to change the border of an element to YIQ 78.4600, 109.7950, 75.1950 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(230, 0, 85) }
```


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

```
.border{ border-color:rgb(230, 0, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(230, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to YIQ 78.4600, 109.7950, 75.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 85) }
```

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

```
.background{ background-color: rgb(230, 0,  
85) }
```

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