

Converting Colors

YIQ(78.5150, 107.9620, 69.8660)

Have a look what the booklet for
YIQ(78.5150, 107.9620, 69.8660)
contains.

YIQ(78.5150, 107.9620, 69.8660)	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(78.5150, 107.9620,
69.8660)**

Conversions

Conversions Part 1

Format	Color
Hex	E1044E
RGB	225, 4, 78
RGB Percent	88%, 2%, 31%
CMY	0.1171, 0.9845, 0.6937
CMYK	0.00, 0.98, 0.65, 0.12
HSL	340°, 97%, 45%
HSV	340°, 98%, 88%
XYZ	32.5178, 16.6672, 8.7288
YIQ	78.5150, 107.9620, 69.8660

Conversions

Conversions Part 2

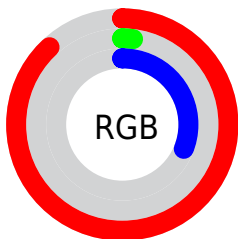
Format	Color
RYB	225, 4, 78
Decimal	14746702
CIELab	47.84, 74.54, 23.83
CIElCh	48, 78.254, 17.728
Yxy	16.6672, 0.5615, 0.2878
Android (android.graphics.Color)	4292936782 (0xFFE1044E)
YUV	78.5150, -0.2539, 128.4673
Hunter-Lab	40.8255, 70.7316, 15.9013

Details

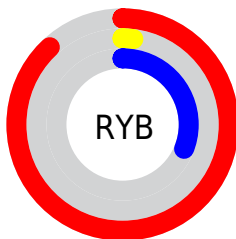
The YIQ color **78.5150, 107.9620, 69.8660** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **150.4850, -107.9620, -69.8660**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **144.7270, 85.9130, 45.4410**, and **52.1290, 84.7210, 45.0170** is the 20% darker color. If you saturate the color by 10%, you get **75.8250, 110.0250, 71.0250**, and if you desaturate by 10%, it is **93.1390, 97.0970, 63.0250**.

Distribution



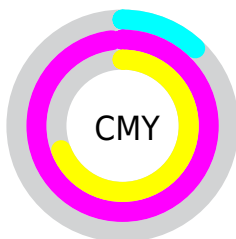
- Red (88%)
- Green (2%)
- Blue (31%)



- Red (88%)
- Yellow (2%)
- Blue (31%)



- Cyan (0%)
- Magenta (98%)
- Yellow (65%)
- Black (12%)





- Cyan (12%)
- Magenta (98%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 78.5150, 107.9620, 69.8660 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 78.5150, 107.9620, 69.8660 by changing the saturation by 10% instead.


 78.5150, 107.9620,
69.8660


 78.5150, 107.9620,
69.8660

255.0000, -0.0000,
-0.0000


 64.0910, 97.0520,
58.3320


 144.7270, 85.9130,
45.4410


 52.1290, 84.7210,
45.0170


 165.8880, 69.0420,
37.3140


 40.5800, 72.6650,
32.2250


 186.4620, 52.4460,
29.7100

 29.8290, 58.3620,
21.6100

 207.2640, 35.2080,
22.7280

 20.9730, 40.1610,
15.5610

 228.0660, 17.9700,
15.7460

 10.8780, 21.1350,
7.9430

 247.9560, 3.3000,

 0.0000, 0.0000,

6.2760

0.0000

■ 78.5150, 107.9620,
69.8660

■ 78.5150, 107.9620,
69.8660

■ 75.8250, 110.0250,
71.0250

■ 93.1390, 97.0970,
63.0250

■ 108.3500, 85.9570,
55.6610

■ 123.5610, 74.8170,
48.2970

■ 138.1850, 63.9520,
41.4560

■ 153.3960, 52.8120,
34.0920

■ 168.0200, 41.9470,
27.2510

■ 183.2310, 30.8070,
19.8870

■ 197.8550, 19.9420,
13.0460

■ 213.0660, 8.8020,
5.6820

Harmonies

Analogous

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



87.7450, 78.6160, 84.0880



78.5150, 107.9620, 69.8660



100.1940, 102.1500, 9.9740

Triad

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



78.5150, 107.9620, 69.8660



78.6580, -36.8500, -70.0820



104.1260, -114.0740, 7.8940

Complementary

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



78.5150, 107.9620, 69.8660



150.4850, -107.9620, -69.8660

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.



105.6470, -105.9560, -7.0760



78.5150, 107.9620, 69.8660



91.0550, -64.8680, -46.8840

Square

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



78.5150, 107.9620, 69.8660



102.1120, 27.2420, -42.1820



100.0950, -87.5670, -26.4710



90.8700, -107.0610, 18.4670

Rectangle

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



78.5150, 107.9620, 69.8660



106.3400, 80.4670, -10.0690



100.0950, -87.5670, -26.4710



105.6760, -112.9270, 3.6250

Sweetspot

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



78.5150, 107.9620, 69.8660



205.9760, 36.0790, 23.4630



72.2500, 14.8830, 99.2590



98.1650, 22.0050, 14.2050



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.



78.5150, 107.9620, 69.8660



85.9350, 124.6950, 80.4950



89.4500, 122.6410, 29.5930



104.7450, 5.2720, 3.5760



59.3500, 85.9570, 55.6610



16.1760, 23.4720, 15.1520

Inverse Universe

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



78.5150, 107.9620, 69.8660



85.9350, 124.6950, 80.4950



139.5500, -122.6410, -29.5930



104.7450, 5.2720, 3.5760



59.3500, 85.9570, 55.6610



16.1760, 23.4720, 15.1520

Previews

White Background



This preview shows how the YIQ color 78.5150, 107.9620, 69.8660 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 78.5150, 107.9620, 69.8660 looks on a black 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

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

YIQ 78.5150, 107.9620, 69.8660

Background



This preview shows how black text looks on a background with the YIQ color 78.5150, 107.9620, 69.8660.



This preview shows how white text looks on a background with the YIQ color 78.5150, 107.9620,

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

78.5150, 107.9620, 69.8660

Protanopia

115.5980, 1.1920, 0.4240

Deuteranopia

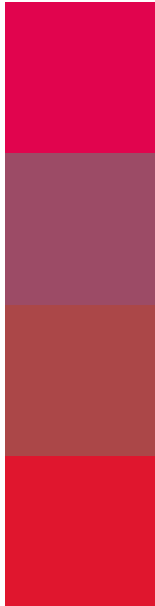
114.1820, 31.3620, -6.7020



Tritanopia

88.9520, 115.7160, 39.4600

Trichromacy



Original Color

78.5150, 107.9620, 69.8660

Protanomaly

102.2970, 39.6090, 25.5690

Deuteranomaly

101.0140, 59.2790, 21.5110

Tritanomaly

85.1340, 112.6880, 50.2880

Monochromacy



Original Color

78.5150, 107.9620, 69.8660

Achromatopsia

79.0000, -0.0000, 0.0000

Achromatomaly

78.9980, 39.0130, 25.3570

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.5150, 107.9620, 69.8660 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(225, 4, 78)` looks like.

```
.text, #text, p{  
    color:rgb(225, 4, 78)  
}
```

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(225, 4, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 4, 78) }
```

Border

The CSS property to change the border of an element to YIQ 78.5150, 107.9620, 69.8660 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(225, 4, 78) }
```


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

```
.border{ border-color:rgb(225, 4, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 4, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 4, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 4, 78);  
box-shadow:4px 4px 4px 4px rgb(225, 4, 78)  
}
```

Background

The CSS property to change the background color of an element to YIQ 78.5150, 107.9620, 69.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 4, 78) }
```

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

```
.background{ background-color: rgb(225, 4,  
78) }
```

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