

Converting Colors

YIQ(117.2360, 70.2240, 93.0080)

Have a look what the booklet for
YIQ(117.2360, 70.2240, 93.0080)
contains.

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Color

**YIQ(117.2360, 70.2240,
93.0080)**

Conversions

Conversions Part 1

Format	Color
Hex	F226C6
RGB	242, 38, 198
RGB Percent	95%, 15%, 78%
CMY	0.0504, 0.8512, 0.2234
CMYK	0.00, 0.84, 0.18, 0.05
HSL	313°, 89%, 55%
HSV	313°, 84%, 95%
XYZ	47.5572, 24.3635, 55.6460
YIQ	117.2360, 70.2240, 93.0080

Conversions

Conversions Part 2

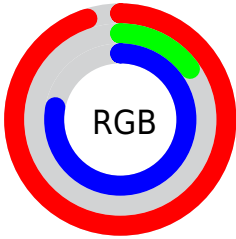
Format	Color
R _Y B	242, 38, 198
Decimal	15869638
CIE _{Lab}	56.45, 84.66, -34.99
CIE _{LCh}	56, 91.605, 337.545
Yxy	24.3635, 0.3728, 0.1910
Android (android.graphics.Color)	4294059718 (0xFFFF226C6)
YUV	117.2360, 39.8167, 109.4180
Hunter-Lab	49.3594, 85.6037, -32.2899

Details

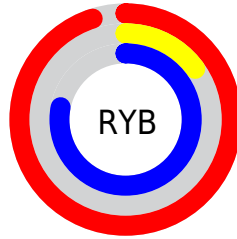
The YIQ color **117.2360, 70.2240, 93.0080** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **162.7640, -70.2240, -93.0080**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.4720, 39.6000, 75.3120**, and **70.5350, 61.6520, 83.1560** is the 20% darker color. If you saturate the color by 10%, you get **102.5780, 78.4290, 104.0050**, and if you desaturate by 10%, it is **131.8940, 62.0190, 82.0110**.

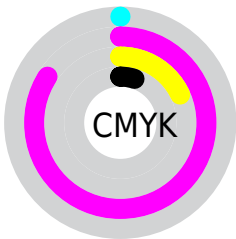
Distribution



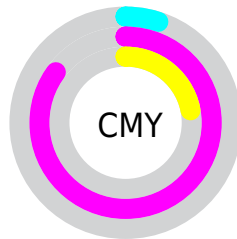
- Red (95%)
- Green (15%)
- Blue (78%)



- Red (95%)
- Yellow (15%)
- Blue (78%)



- Cyan (0%)
- Magenta (84%)
- Yellow (18%)
- Black (5%)




- Cyan (5%)
- Magenta (85%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 117.2360, 70.2240, 93.0080 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 117.2360, 70.2240, 93.0080 by changing the saturation by 10% instead.


 117.2360, 70.2240,
93.0080


 117.2360, 70.2240,
93.0080


255.0000, -0.0000,
-0.0000


 82.5830, 70.8650,
97.9130


 170.4720, 39.6000,
75.3120


 70.5350, 61.6520,
83.1560


 188.6690, 31.0750,
59.0990

 58.6010, 52.1180,
68.7100


 206.8660, 22.5500,
42.8860

 47.0800, 42.8590,
54.7870

 224.4760, 14.3000,
27.1960

 35.5590, 33.6000,
40.8640

 242.6730, 5.7750,
10.9830

 24.6790, 23.9740,
28.0860

 13.2010, 13.1560,

14.8840

■ 0.0000, 0.0000,
0.0000

■ 117.2360, 70.2240,
93.0080

■ 117.2360, 70.2240,
93.0080

■ 102.5780, 78.4290,
104.0050

■ 131.8940, 62.0190,
82.0110

■ 94.0180, 83.2420,
110.3940

■ 146.6660, 53.4930,
71.3250

■ 161.9110, 45.0130,
59.8050

■ 176.5690, 36.8080,
48.8080

■ 191.2270, 28.6030,
37.8110

205.8850, 20.3980,
26.8140

220.6570, 11.8720,
16.1280

235.9020, 3.3920,
4.6080

249.9730, -4.5380,
-5.8660

Harmonies

Analogous

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



135.5880, -16.9290, 59.0310



117.2360, 70.2240, 93.0080



89.8110, 113.7810, 91.0690

Triad

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



117.2360, 70.2240, 93.0080



125.5460, 49.3870, -41.5330



124.4770, -120.3970, -15.1890

Complementary

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



117.2360, 70.2240, 93.0080



162.7640, -70.2240, -93.0080

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.



116.1720, -95.6340, -39.9700



117.2360, 70.2240, 93.0080



106.5220, -13.1000, -70.9880

Square

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



117.2360, 70.2240, 93.0080



126.4850, 96.0560, -11.7520



104.7210, -67.5240, -64.8360



122.9900, -125.8550, -4.3750

Rectangle

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



117.2360, 70.2240, 93.0080



99.8460, 122.7270, 61.0870



104.7210, -67.5240, -64.8360



122.3280, -112.9680, -23.1760

Sweetspot

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



117.2360, 70.2240, 93.0080



215.8360, 22.0940, 29.1180



73.5150, -41.0480, 72.1360



104.0810, 13.6140, 17.5980



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.



117.2360, 70.2240, 93.0080



99.0450, 87.7800, 116.2600



105.9500, 102.0030, 62.2190



112.6140, 4.2630, 5.3430



71.4320, 63.4400, 83.7920



21.7600, 19.2520, 25.5560

Inverse Universe

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



117.2360, 70.2240, 93.0080



99.0450, 87.7800, 116.2600



174.0500, -102.0030, -62.2190



112.6140, 4.2630, 5.3430



71.4320, 63.4400, 83.7920



21.7600, 19.2520, 25.5560

Previews

White Background



This preview shows how the YIQ color 117.2360, 70.2240, 93.0080 looks on a white background.

Color Contrast Check

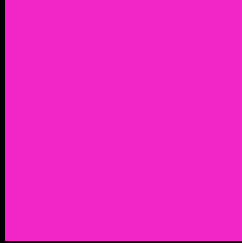
Large Text (above 18pt) WCAG AA ✓ Pass

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 117.2360, 70.2240, 93.0080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

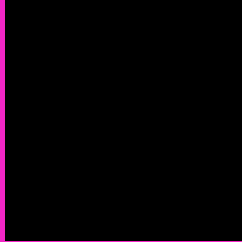
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.2360, 70.2240, 93.0080

Background



This preview shows how black text looks on a background with the YIQ color 117.2360, 70.2240, 93.0080.



This preview shows how white text looks on a background with the YIQ color 117.2360, 70.2240,

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

117.2360, 70.2240, 93.0080

Protanopia

127.1850, -77.0310, 24.8970

Deuteranopia

135.7420, -25.0360, 13.2040



Tritanopia

129.1210, 87.1990, 33.1430

Trichromacy



Original Color

117.2360, 70.2240, 93.0080



Protanomaly

123.6700, -23.3920, 49.5040



Deuteranomaly

128.8090, 9.5290, 42.0810



Tritanomaly

124.5990, 80.8220, 55.1100

Monochromacy



Original Color

117.2360, 70.2240, 93.0080



Achromatopsia

117.0000, -0.0000, 0.0000



Achromatomaly

117.0370, 26.0820, 33.9380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.2360, 70.2240, 93.0080 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(242, 38, 198)` looks like.

```
.text, #text, p{  
    color:rgb(242, 38, 198)  
}
```

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(242, 38, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 38, 198) }
```

Border

The CSS property to change the border of an element to YIQ 117.2360, 70.2240, 93.0080 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(242, 38, 198) }
```


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

```
.border{ border-color:rgb(242, 38, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 38, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 38, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 38, 198);  
box-shadow:4px 4px 4px 4px rgb(242, 38,  
198) }
```

Background

The CSS property to change the background color of an element to YIQ 117.2360, 70.2240, 93.0080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 38, 198) }
```

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

```
.background{ background-color: rgb(242, 38,  
198) }
```

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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