

Converting Colors

YIQ(72.8500, 99.7090, 70.7570)

Have a look what the booklet for
YIQ(72.8500, 99.7090, 70.7570)
contains.

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Color

**YIQ(72.8500, 99.7090,
70.7570)**

Conversions

Conversions Part 1

Format	Color
Hex	D40053
RGB	212, 0, 83
RGB Percent	83%, 0%, 33%
CMY	0.1681, 0.9998, 0.6742
CMYK	0.00, 1.00, 0.61, 0.17
HSL	337°, 100%, 42%
HSV	337°, 100%, 83%
XYZ	28.7569, 14.6440, 9.5116
YIQ	72.8500, 99.7090, 70.7570

Conversions

Conversions Part 2

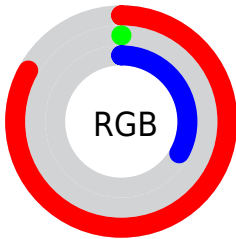
Format	Color
R_{YB}	212, 0, 83
Decimal	13893715
CIE Lab	45.14, 72.12, 16.68
CIE LCh	45, 74.021, 13.020
Yxy	14.6440, 0.5435, 0.2768
Android (android.graphics.Color)	4292083795 (0xFFD40053)
YUV	72.8500, 5.0040, 122.0346
Hunter-Lab	38.2674, 67.1696, 12.0503

Details

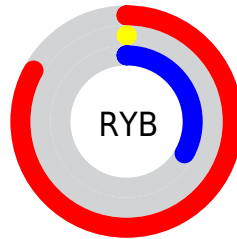
The YIQ color **72.8500, 99.7090, 70.7570** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **139.1500, -99.7090, -70.7570**, and the grayscale version is **73.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.5360, 85.1330, 48.5650**, and **48.9970, 76.2850, 43.7170** is the 20% darker color. If you saturate the color by 10%, you get **72.8500, 99.7090, 70.7570**, and if you desaturate by 10%, it is **86.6590, 89.7610, 63.8170**.

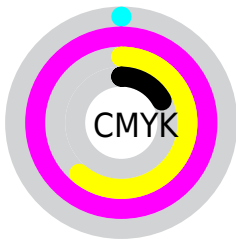
Distribution



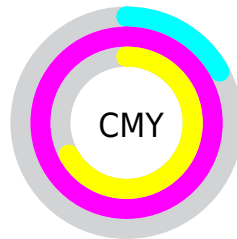
- Red (83%)
- Green (0%)
- Blue (33%)



- Red (83%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 72.8500, 99.7090, 70.7570 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 72.8500, 99.7090, 70.7570 by changing the saturation by 10% instead.


 72.8500, 99.7090,
70.7570


 72.8500, 99.7090,
70.7570


255.0000, -0.0000,
-0.0000


 60.9590, 88.6160,
57.0320


 143.5360, 85.1330,
48.5650


 49.2960, 76.8810,
43.9290


 164.1100, 68.5370,
40.9610


 37.7470, 64.8250,
31.1370


 184.7980, 51.6200,
33.6680

 26.5400, 51.8060,
19.2780

 204.8990, 34.9780,
26.8980

 17.5700, 33.9260,
12.9180

 225.8150, 17.4190,
20.2270

 5.6810, 11.3240,
4.0280

 245.0210, 4.6750,

 0.0000, 0.0000,

8.8910

0.0000

■ 72.8500, 99.7090,
70.7570

■ 86.6590, 89.7610,
63.8170

■ 100.4680, 79.8130,
56.8770

■ 114.8640, 69.5900,
49.4140

■ 128.6730, 59.6420,
42.4740

■ 142.4820, 49.6940,
35.5340

■ 156.2910, 39.7460,
28.5940

■ 170.5730, 29.8440,
20.8200

■ 184.3820, 19.8960,
13.8800

■ 198.1910, 9.9480,
6.9400

Harmonies

Analogous

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



91.1680, 63.7630, 72.4270



72.8500, 99.7090, 70.7570



93.8700, 94.6750, 18.7950

Triad

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



72.8500, 99.7090, 70.7570



77.2620, -26.6270, -62.6190



98.5520, -106.6460, 5.4340

Complementary

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



72.8500, 99.7090, 70.7570



139.1500, -99.7090, -70.7570

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.



98.6710, -97.3360, -9.1120



72.8500, 99.7090, 70.7570



84.6490, -57.8530, -47.3650

Square

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



72.8500, 99.7090, 70.7570



98.0250, 32.1010, -36.6270



93.2330, -79.2680, -28.1960



88.3280, -102.6590, 15.7810

Rectangle

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



72.8500, 99.7090, 70.7570



99.2740, 80.8330, -5.6870



93.2330, -79.2680, -28.1960



99.4010, -104.9030, 1.3770

Sweetspot

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



72.8500, 99.7090, 70.7570



205.0300, 35.9870, 25.1310



62.1410, 7.6400, 92.8560



97.8060, 21.6380, 15.3500



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.



72.8500, 99.7090, 70.7570



87.6450, 119.8800, 85.1600



75.7150, 120.5770, 33.9610



99.8590, 4.9510, 3.8870



58.7670, 80.4090, 57.0890



14.7950, 20.1710, 14.4030

Inverse Universe

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



72.8500, 99.7090, 70.7570



87.6450, 119.8800, 85.1600



136.2850, -120.5770, -33.9610



99.8590, 4.9510, 3.8870



58.7670, 80.4090, 57.0890



14.7950, 20.1710, 14.4030

Previews

White Background



This preview shows how the YIQ color 72.8500, 99.7090, 70.7570 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 72.8500, 99.7090, 70.7570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

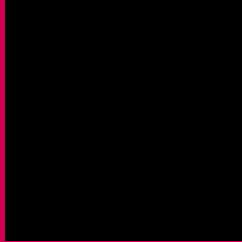
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 72.8500, 99.7090, 70.7570

Background



This preview shows how black text looks on a background with the YIQ color 72.8500, 99.7090, 70.7570.



This preview shows how white text looks on a background with the YIQ color 72.8500, 99.7090,

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

72.8500, 99.7090, 70.7570

Protanopia

109.1830, -4.7690, 3.8310

Deuteranopia

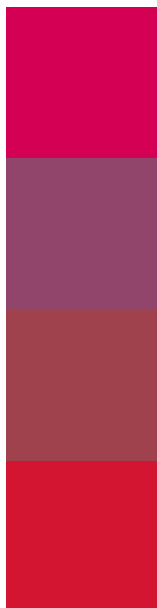
108.3540, 25.1260, -3.8180



Tritanopia

85.6950, 106.1340, 36.9020

Trichromacy



Original Color

72.8500, 99.7090, 70.7570

Protanomaly

96.0560, 33.0980, 27.9300

Deuteranomaly

95.3600, 52.4930, 23.3490

Tritanomaly

81.1160, 103.9310, 49.2990

Monochromacy



Original Color

72.8500, 99.7090, 70.7570

Achromatopsia

73.0000, -0.0000, -0.0000

Achromatomaly

72.8560, 36.5370, 26.1770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 72.8500, 99.7090, 70.7570 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(212, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 83)  
}
```

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(212, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 83) }
```

Border

The CSS property to change the border of an element to YIQ 72.8500, 99.7090, 70.7570 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(212, 0, 83) }
```


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

```
.border{ border-color:rgb(212, 0, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to YIQ 72.8500, 99.7090, 70.7570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 83) }
```

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

```
.background{ background-color: rgb(212, 0,  
83) }
```

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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