

Converting Colors

YIQ(89.9910, 42.0320, 64.2720)

Have a look what the booklet for
YIQ(89.9910, 42.0320, 64.2720)
contains.

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Color

**YIQ(89.9910, 42.0320,
64.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	AA2599
RGB	170, 37, 153
RGB Percent	67%, 15%, 60%
CMY	0.3329, 0.8551, 0.3999
CMYK	0.00, 0.78, 0.10, 0.33
HSL	308°, 64%, 41%
HSV	308°, 78%, 67%
XYZ	23.0102, 12.1773, 31.2832
YIQ	89.9910, 42.0320, 64.2720

Conversions

Conversions Part 2

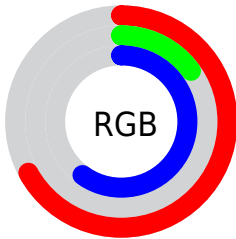
Format	Color
R_{YB}	170, 37, 153
Decimal	11150745
CIE _{Lab}	41.50, 63.79, -32.84
CIE _{LCh}	41, 71.750, 332.762
Yxy	12.1773, 0.3462, 0.1832
Android (android.graphics.Color)	4289340825 (0xFFAA2599)
YUV	89.9910, 31.0634, 70.1679
Hunter-Lab	34.8960, 56.6337, -28.7244

Details

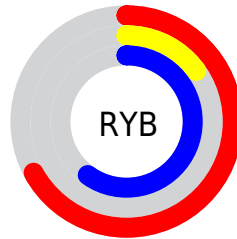
The YIQ color **89.9910, 42.0320, 64.2720** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **117.0090, -42.0320, -64.2720**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **149.4100, 42.1700, 61.7700**, and **45.6000, 35.5230, 55.5790** is the 20% darker color. If you saturate the color by 10%, you get **79.7840, 47.3490, 72.5410**, and if you desaturate by 10%, it is **100.1980, 36.7150, 56.0030**.

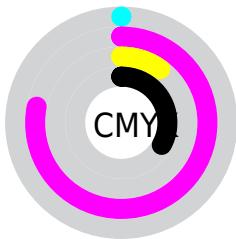
Distribution



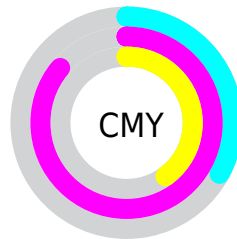
- Red (67%)
- Green (15%)
- Blue (60%)



- Red (67%)
- Yellow (15%)
- Blue (60%)



- Cyan (0%)
- Magenta (78%)
- Yellow (10%)
- Black (33%)





- Cyan (33%)
- Magenta (86%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 89.9910, 42.0320, 64.2720 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 89.9910, 42.0320, 64.2720 by changing the saturation by 10% instead.


 89.9910, 42.0320,
64.2720


 89.9910, 42.0320,
64.2720


255.0000, -0.0000,
-0.0000


 56.9360, 43.8650,
69.6010


 149.7090, 42.7660,
61.9820


 45.6000, 35.5230,
55.5790


 177.1110, 41.5740,
61.5580


 34.4920, 26.5390,
42.1790


 195.7130, 27.7750,
52.8230

 24.3950, 19.0220,
29.7260

 212.7360, 19.8000,
37.6560

 13.5150, 9.3960,
16.9480

 229.7590, 11.8250,
22.4890

 0.2280, -0.6420,
0.6220

 246.7820, 3.8500,

 0.0000, 0.0000,

7.3220

0.0000

■ 89.9910, 42.0320,
64.2720

■ 89.9910, 42.0320,
64.2720

■ 79.7840, 47.3490,
72.5410

■ 100.1980, 36.7150,
56.0030

■ 69.5770, 52.6660,
80.8100

■ 110.4050, 31.3980,
47.7340

■ 67.7020, 53.8120,
82.0680

■ 120.7260, 25.7600,
39.7760

■ 130.9330, 20.4430,
31.5070

■ 141.1400, 15.1260,
23.2380

■ 151.3470, 9.8090,
14.9690

■ 161.5540, 4.4920,
6.7000

■ 171.7610, -0.8250,
-1.5690

■ 182.0820, -6.4630,
-9.5270

Harmonies

Analogous

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



97.7630, -28.3880, 40.9240



89.9910, 42.0320, 64.2720



69.7330, 86.9170, 71.3090

Triad

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



89.9910, 42.0320, 64.2720



91.9110, 41.5900, -26.8740



89.9680, -85.2310, -13.7350

Complementary

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



89.9910, 42.0320, 64.2720



117.0090, -42.0320, -64.2720

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.



83.2420, -66.2920, -32.0840



89.9910, 42.0320, 64.2720



81.2920, 0.1920, -47.5520

Square

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



89.9910, 42.0320, 64.2720



90.9900, 75.8810, -4.0470



74.1850, -44.9230, -50.4190



92.5220, -97.9340, 1.7300

Rectangle

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



89.9910, 42.0320, 64.2720



69.7980, 96.3190, 55.0950



74.1850, -44.9230, -50.4190



87.8020, -79.1320, -19.6440

Sweetspot

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



89.9910, 42.0320, 64.2720



191.2650, 16.2720, 24.4960



56.6470, -33.7530, 44.5430



93.3470, 9.8090, 14.9690



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



89.9910, 42.0320, 64.2720



96.2390, 66.1420, 100.9100



82.5810, 62.8970, 44.0570



79.1900, 2.5210, 3.8730



58.9580, 46.7990, 71.4950



8.0320, 6.1420, 9.8380

Inverse Universe

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



89.9910, 42.0320, 64.2720



96.2390, 66.1420, 100.9100



124.4190, -62.8970, -44.0570



79.1900, 2.5210, 3.8730



58.9580, 46.7990, 71.4950



8.0320, 6.1420, 9.8380

Previews

White Background



This preview shows how the YIQ color 89.9910, 42.0320, 64.2720 looks on a white background.

Color Contrast Check

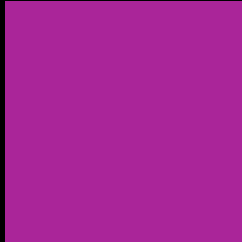
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.9910, 42.0320, 64.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

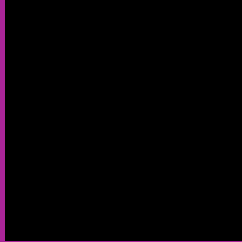
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.9910, 42.0320, 64.2720

Background



This preview shows how black text looks on a background with the YIQ color 89.9910, 42.0320, 64.2720.



This preview shows how white text looks on a background with the YIQ color 89.9910, 42.0320,

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

89.9910, 42.0320, 64.2720

Protanopia

78.9070, -91.2880, 13.4480

Deuteranopia

97.9760, -25.8150, 10.8010



Tritanopia

96.5620, 54.7400, 21.1720

Trichromacy



Original Color

89.9910, 42.0320, 64.2720



Protanomaly

83.0660, -42.7830, 31.9770



Deuteranomaly

95.2710, -1.0600, 30.2360



Tritanomaly

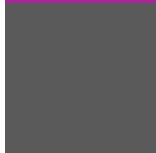
94.3080, 50.2440, 36.5800

Monochromacy



Original Color

89.9910, 42.0320, 64.2720



Achromatopsia

90.0000, -0.0000, -0.0000



Achromatomaly

90.1400, 15.1260, 23.2380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.9910, 42.0320, 64.2720 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(170, 37, 153)` looks like.

```
.text, #text, p{  
    color:rgb(170, 37, 153)  
}
```

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(170, 37, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 37, 153) }
```

Border

The CSS property to change the border of an element to YIQ 89.9910, 42.0320, 64.2720 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(170, 37, 153) }
```


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

```
.border{ border-color:rgb(170, 37, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 37, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 37, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 37, 153);  
box-shadow:4px 4px 4px 4px rgb(170, 37,  
153) }
```

Background

The CSS property to change the background color of an element to YIQ 89.9910, 42.0320, 64.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 37, 153) }
```

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

```
.background{ background-color: rgb(170, 37,  
153) }
```

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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