

Converting Colors

YIQ(172.6040, 29.7000, 56.4840)

Have a look what the booklet for
YIQ(172.6040, 29.7000, 56.4840)
contains.

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Color

**YIQ(172.6040, 29.7000,
56.4840)**

Conversions

Conversions Part 1

Format	Color
Hex	EC80EC
RGB	236, 128, 236
RGB Percent	93%, 50%, 93%
CMY	0.0742, 0.4982, 0.0745
CMYK	0.00, 0.46, 0.00, 0.07
HSL	300°, 74%, 71%
HSV	300°, 46%, 93%
XYZ	57.4744, 39.3302, 83.9258
YIQ	172.6040, 29.7000, 56.4840

Conversions

Conversions Part 2

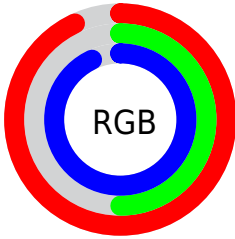
Format	Color
R _{YB}	236, 128, 236
Decimal	15499500
CIE Lab	68.99, 56.48, -36.84
CIE LCh	69, 67.432, 326.883
Yxy	39.3302, 0.3180, 0.2176
Android (android.graphics.Color)	4293689580 (0xFFEC80EC)
YUV	172.6040, 31.2542, 55.5983
Hunter-Lab	62.7138, 53.8381, -35.4442

Details

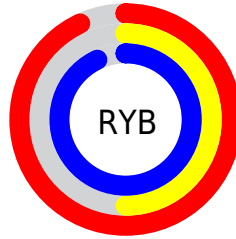
The YIQ color $172.6040, 29.7000, 56.4840$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $191.3960, -29.7000, -56.4840$, and the grayscale version is $172.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $213.3230, 19.5250, 37.1330$, and $117.1800, 27.9580, 55.0140$ is the 20% darker color. If you saturate the color by 10%, you get $158.5160, 36.3000, 69.0360$, and if you desaturate by 10%, it is $186.6920, 23.1000, 43.9320$.

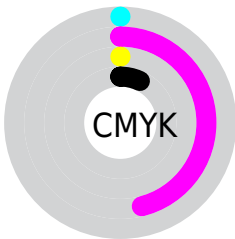
Distribution



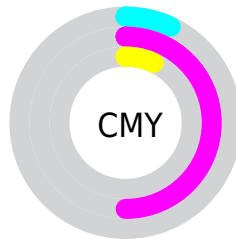
- Red (93%)
- Green (50%)
- Blue (93%)



- Red (93%)
- Yellow (50%)
- Blue (93%)



- Cyan (0%)
- Magenta (46%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (50%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 172.6040, 29.7000, 56.4840 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 172.6040, 29.7000, 56.4840 by changing the saturation by 10% instead.


 172.6040, 29.7000,
56.4840


 172.6040, 29.7000,
56.4840


255.0000, -0.0000,
-0.0000

 144.8920, 28.8290,
55.7490


 213.3230, 19.5250,
37.1330


 116.5930, 28.2330,
55.5370


 229.7590, 11.8250,
22.4890

 88.7070, 27.9120,
55.8480

 246.7820, 3.8500,
7.3220

 54.9510, 30.3410,
61.3890

 39.9190, 24.1990,
51.5510

 29.4090, 16.4070,
38.5750

 19.7960, 10.4030,

26.2350

■ 4.4310, -8.1630,
10.2770

■ 0.2280, -0.6420,
0.6220

■ 172.6040, 29.7000,
56.4840

■ 172.6040, 29.7000,
56.4840

■ 158.5160, 36.3000,
69.0360

■ 186.6920, 23.1000,
43.9320

■ 145.0150, 42.6250,
81.0650

■ 200.1930, 16.7750,
31.9030

■ 130.9270, 49.2250,
93.6170

■ 214.2810, 10.1750,
19.3510

■ 117.4260, 55.5500,
105.6460

■ 227.7820, 3.8500,
7.3220

■ 103.3380, 62.1500,
118.1980

■ 241.8700, -2.7500,
-5.2300

■ 97.4680, 64.9000,
123.4280

■ 247.1530, -5.2250,
-9.9370

Harmonies

Analogous

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



166.9980, -30.9080, 31.5240



172.6040, 29.7000, 56.4840



160.9930, 64.9130, 51.5770

Triad

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



172.6040, 29.7000, 56.4840



160.3960, 67.7250, -32.4590



140.9470, -125.4370, -33.9890

Complementary

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



172.6040, 29.7000, 56.4840



191.3960, -29.7000, -56.4840

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.



133.8790, -105.5350, -53.2710



172.6040, 29.7000, 56.4840



154.9600, 21.5580, -49.3060

Square

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



172.6040, 29.7000, 56.4840



164.0520, 90.5060, 0.7300



140.6200, -50.8820, -58.0660



141.1870, -134.3800, -20.5880

Rectangle

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



172.6040, 29.7000, 56.4840



156.9060, 77.7990, 38.3030



140.6200, -50.8820, -58.0660



138.6670, -119.0170, -40.2090

Sweetspot

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



172.6040, 29.7000, 56.4840



233.8680, 9.9000, 18.8280



140.3120, -34.6680, 33.5880



114.9720, 6.3710, 11.1950



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.



172.6040, 29.7000, 56.4840



172.8200, 38.5000, 73.2200



166.4480, 47.0340, 39.6900



110.5430, 3.0250, 5.7530



74.7530, 49.7750, 94.6630



22.3020, 14.8500, 28.2420

Inverse Universe

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



172.6040, 29.7000, 56.4840



172.8200, 38.5000, 73.2200



197.5520, -47.0340, -39.6900



110.5430, 3.0250, 5.7530



74.7530, 49.7750, 94.6630



22.3020, 14.8500, 28.2420

Previews

White Background



This preview shows how the YIQ color 172.6040, 29.7000, 56.4840 looks on a white background.

Color Contrast Check

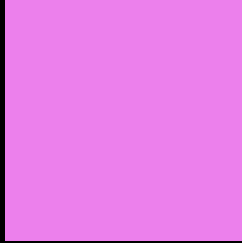
Large Text (above 18pt) WCAG AA × Fail

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 172.6040, 29.7000, 56.4840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

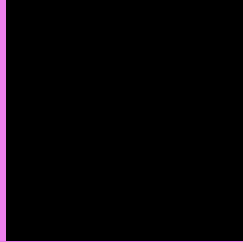
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 172.6040, 29.7000, 56.4840

Background



This preview shows how black text looks on a background with the YIQ color 172.6040, 29.7000, 56.4840.



This preview shows how white text looks on a background with the YIQ color 172.6040, 29.7000,

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

172.6040, 29.7000, 56.4840

Protanopia

167.4750, -45.8530, 21.5310

Deuteranopia

168.6970, -29.1630, 16.4130



Tritanopia

171.1740, 44.1490, 20.3810

Trichromacy



Original Color

172.6040, 29.7000, 56.4840



Protanomaly

169.2230, -18.3000, 34.3080



Deuteranomaly

170.0900, -7.8000, 31.2400



Tritanomaly

171.5670, 39.1490, 33.9090

Monochromacy



Original Color

172.6040, 29.7000, 56.4840



Achromatopsia

173.0000, -0.0000, 0.0000



Achromatomaly

173.1070, 10.7250, 20.3970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 172.6040, 29.7000, 56.4840 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(236, 128, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 128, 236)  
}
```

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(236, 128, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 128, 236) }
```

Border

The CSS property to change the border of an element to YIQ 172.6040, 29.7000, 56.4840 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(236, 128, 236) }
```


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

```
.border{ border-color:rgb(236, 128, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 128, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 128, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 128, 236); box-shadow:4px 4px 4px 4px rgb(236, 128, 236) }
```

Background

The CSS property to change the background color of an element to YIQ 172.6040, 29.7000, 56.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 128, 236) }
```

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

```
.background{ background-color: rgb(236,  
128, 236) }
```

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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