

Converting Colors

YIQ(117.7130, 18.6070, 42.7590)

Have a look what the booklet for
YIQ(117.7130, 18.6070, 42.7590)
contains.

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Color

**YIQ(117.7130, 18.6070,
42.7590)**

Conversions

Conversions Part 1

Format	Color
Hex	A255AA
RGB	162, 85, 170
RGB Percent	64%, 33%, 67%
CMY	0.3645, 0.6668, 0.3333
CMYK	0.05, 0.50, 0.00, 0.33
HSL	294°, 33%, 50%
HSV	294°, 50%, 67%
XYZ	25.4144, 17.0820, 39.9889
YIQ	117.7130, 18.6070, 42.7590

Conversions

Conversions Part 2

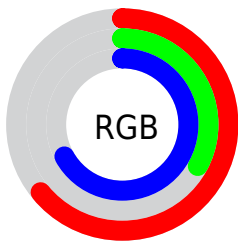
Format	Color
R_{YB}	162, 85, 170
Decimal	10638762
CIE _{Lab}	48.36, 44.69, -32.26
CIE _{LCh}	48, 55.116, 324.181
Yxy	17.0820, 0.3081, 0.2071
Android (android.graphics.Color)	4288828842 (0xFFA255AA)
YUV	117.7130, 25.7775, 38.8397
Hunter-Lab	41.3304, 37.4330, -28.4344

Details

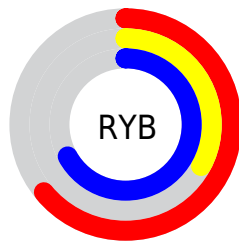
The YIQ color **117.7130, 18.6070, 42.7590** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **137.2870, -18.6070, -42.7590**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **171.6640, 20.3030, 45.0630**, and **65.0010, 17.7360, 42.0240** is the 20% darker color. If you saturate the color by 10%, you get **107.1360, 22.0900, 51.2260**, and if you desaturate by 10%, it is **128.2900, 15.1240, 34.2920**.

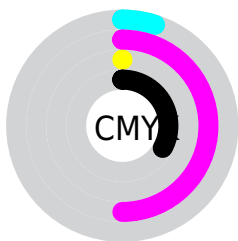
Distribution



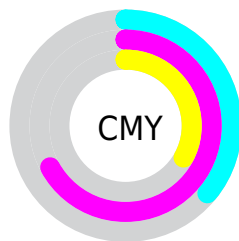
- Red (64%)
- Green (33%)
- Blue (67%)



- Red (64%)
- Yellow (33%)
- Blue (67%)



- Cyan (5%)
- Magenta (50%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.7130, 18.6070, 42.7590 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 117.7130, 18.6070, 42.7590 by changing the saturation by 10% instead.

■ 117.7130, 18.6070,
42.7590

■ 117.7130, 18.6070,
42.7590

■ 255.0000, -0.0000,
-0.0000

■ 91.3000, 18.3320,
42.2360

■ 171.6640, 20.3030,
45.0630

■ 65.0010, 17.7360,
42.0240

■ 199.9630, 20.8990,
45.2750

■ 35.5930, 19.0650,
45.4730

■ 218.0190, 17.3250,
32.9490

■ 24.7950, 12.1440,
33.2320

■ 235.0420, 9.3500,
17.7820

■ 16.0080, 6.6900,
21.9380

■ 252.0650, 1.3750,
2.6150

■ 3.3230, -7.9790,
6.9410

■ 0.0000, 0.0000,

0.0000

■ 117.7130, 18.6070,
42.7590

■ 117.7130, 18.6070,
42.7590

■ 107.1360, 22.0900,
51.2260

■ 128.2900, 15.1240,
34.2920

■ 96.8580, 26.1690,
59.9050

■ 138.5680, 11.0450,
25.6130

■ 86.2810, 29.6520,
68.3720

■ 149.1450, 7.5620,
17.1460

■ 76.0030, 33.7310,
77.0510

■ 159.4230, 3.4830,
8.4670

■ 65.4260, 37.2140,
85.5180

■ 170.0000, -0.0000,
0.0000

■ 180.5770, -3.4830,
-8.4670

■ 190.8550, -7.5620,
-17.1460

■ 201.4320,
-11.0450, -25.6130

■ 211.7100,
-15.1240, -34.2920

Harmonies

Analogous

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



113.7260, -36.1340, 27.1140



117.7130, 18.6070, 42.7590



112.5740, 55.6070, 44.0150

Triad

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



117.7130, 18.6070, 42.7590



107.4520, 56.1240, -25.9560



97.1600, -86.1920, -23.8560

Complementary

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



117.7130, 18.6070, 42.7590



137.2870, -18.6070, -42.7590

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.



91.6880, -70.7840, -38.7840



117.7130, 18.6070, 42.7590



103.9960, 21.8770, -38.5630

Square

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



117.7130, 18.6070, 42.7590



110.6830, 69.7360, 2.6960



93.8490, -34.9290, -44.3130



99.7310, -97.5650, -10.4690

Rectangle

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



117.7130, 18.6070, 42.7590



110.5350, 68.5380, 35.4340



93.8490, -34.9290, -44.3130



95.9230, -81.3310, -29.3550

Sweetspot

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



117.7130, 18.6070, 42.7590



201.7320, 7.2870, 16.6230



99.3860, -29.4850, 22.2510



99.6620, 4.3080, 10.0360



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.



117.7130, 18.6070, 42.7590



140.0420, 28.8270, 66.8030



116.2290, 34.2890, 33.8810



79.0050, 1.6040, 3.9720



56.9380, 32.3560, 74.4360



7.6620, 4.3080, 10.0360

Inverse Universe

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



111.3270, 48.0920, 20.5080



130.1350, 75.4160, 31.9280



138.7710, -34.2890, -33.8810



78.5060, 4.4470, 2.0070



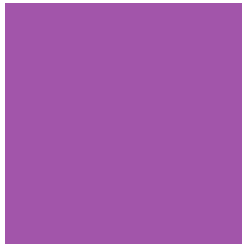
45.8480, 83.7140, 35.7300



6.2080, 11.2780, 4.8620

Previews

White Background



This preview shows how the YIQ color 117.7130, 18.6070, 42.7590 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 117.7130, 18.6070, 42.7590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

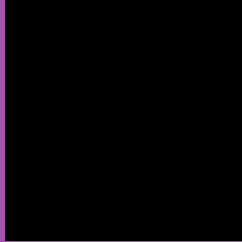
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 117.7130, 18.6070, 42.7590

Background



This preview shows how black text looks on a background with the YIQ color 117.7130, 18.6070, 42.7590.

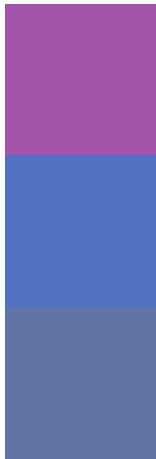


This preview shows how white text looks on a background with the YIQ color 117.7130, 18.6070,

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

117.7130, 18.6070, 42.7590

Protanopia

112.6660, -45.0730, 18.4070

Deuteranopia

114.7310, -26.5030, 12.2570



Tritanopia

117.0580, 29.6160, 13.9360

Trichromacy



Original Color

117.7130, 18.6070, 42.7590

Protanomaly

114.4410, -22.1500, 26.9860

Deuteranomaly

115.6780, -9.8160, 23.7200

Tritanomaly

117.6420, 25.3960, 24.3400

Monochromacy



Original Color

117.7130, 18.6070, 42.7590

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.9060, 6.7370, 15.5770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.7130, 18.6070, 42.7590 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(162, 85, 170)` looks like.

```
.text, #text, p{  
    color:rgb(162, 85, 170)  
}
```

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(162, 85, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 85, 170) }
```

Border

The CSS property to change the border of an element to YIQ 117.7130, 18.6070, 42.7590 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(162, 85, 170) }
```


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

```
.border{ border-color:rgb(162, 85, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 85, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 85, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 85, 170); box-shadow:4px 4px 4px 4px rgb(162, 85, 170) }
```

Background

The CSS property to change the background color of an element to YIQ 117.7130, 18.6070, 42.7590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 85, 170) }
```

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

```
.background{ background-color: rgb(162, 85,  
170) }
```

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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