

Converting Colors

YIQ(87.7260, 16.5920, 29.7120)

Have a look what the booklet for
YIQ(87.7260, 16.5920, 29.7120)
contains.

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Color

**YIQ(87.7260, 16.5920,
29.7120)**

Conversions

Conversions Part 1

Format	Color
Hex	7A4078
RGB	122, 64, 120
RGB Percent	48%, 25%, 47%
CMY	0.5214, 0.7491, 0.5294
CMYK	0.00, 0.48, 0.02, 0.52
HSL	302°, 31%, 36%
HSV	302°, 48%, 48%
XYZ	13.2548, 9.1611, 18.8408
YIQ	87.7260, 16.5920, 29.7120

Conversions

Conversions Part 2

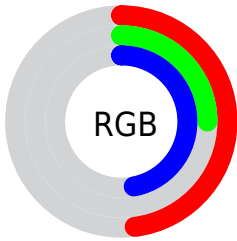
Format	Color
RYB	122, 64, 120
Decimal	8011896
CIELab	36.29, 33.89, -21.29
CIElCh	36, 40.021, 327.862
Yxy	9.1611, 0.3213, 0.2221
Android (android.graphics.Color)	4286201976 (0xFF7A4078)
YUV	87.7260, 15.9111, 30.0583
Hunter-Lab	30.2672, 25.2022, -15.7198

Details

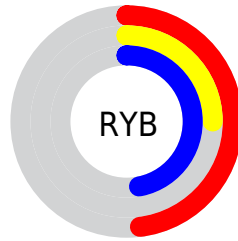
The YIQ color **87.7260, 16.5920, 29.7120** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **98.2740, -16.5920, -29.7120**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.1500, 18.3340, 31.1820**, and **38.1280, 15.4000, 29.2880** is the 20% darker color. If you saturate the color by 10%, you get **80.6820, 19.8920, 35.9880**, and if you desaturate by 10%, it is **94.7700, 13.2920, 23.4360**.

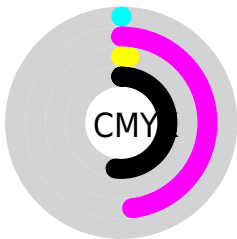
Distribution



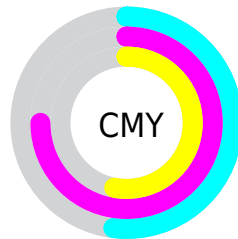
- Red (48%)
- Green (25%)
- Blue (47%)



- Red (48%)
- Yellow (25%)
- Blue (47%)



- Cyan (0%)
- Magenta (48%)
- Yellow (2%)
- Black (52%)



- Cyan (52%)
- Magenta (75%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.7260, 16.5920, 29.7120 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 87.7260, 16.5920, 29.7120 by changing the saturation by 10% instead.

■ 87.7260, 16.5920,
29.7120

■ 87.7260, 16.5920,
29.7120

■ 255.0000, -0.0000,
-0.0000

■ 63.0140, 15.7210,
28.9770

■ 139.1500, 18.3340,
31.1820

■ 38.1280, 15.4000,
29.2880

■ 165.9760, 18.8840,
32.2280

■ 19.6390, 12.2830,
25.2030

■ 193.3890, 19.1590,
32.7510

■ 10.2540, 5.6370,
13.4850

■ 219.1930, 16.7750,
31.9030

■ 0.0000, 0.0000,
0.0000

■ 236.2160, 8.8000,
16.7360

■ 252.6520, 1.1000,

2.0920

■ 87.7260, 16.5920,
29.7120

■ 87.7260, 16.5920,
29.7120

■ 80.6820, 19.8920,
35.9880

■ 94.7700, 13.2920,
23.4360

■ 73.5240, 23.5130,
41.9530

■ 101.9280, 9.6710,
17.4710

■ 65.8930, 27.0880,
48.7520

■ 109.5590, 6.0960,
10.6720

■ 58.7350, 30.7090,
54.7170

■ 116.7170, 2.4750,
4.7070

■ 51.6910, 34.0090,
60.9930

■ 123.7610, -0.8250,
-1.5690

■ 49.9300, 34.8340,
62.5620

■ 130.9190, -4.4460,
-7.5340

■ 137.9630, -7.7460,
-13.8100

■ 145.5940,
-11.3210, -20.6090

■ 152.7520,
-14.9420, -26.5740

Harmonies

Analogous

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



86.1930, -18.7560, 20.5400



87.7260, 16.5920, 29.7120



84.5900, 40.3420, 28.8060

Triad

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



87.7260, 16.5920, 29.7120



81.4130, 34.6650, -17.0070



71.6960, -64.0940, -16.8460

Complementary

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



87.7260, 16.5920, 29.7120



98.2740, -16.5920, -29.7120

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.



68.6350, -54.0970, -27.3210



87.7260, 16.5920, 29.7120



78.1540, 10.2290, -25.6990

Square

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



87.7260, 16.5920, 29.7120



83.3690, 47.1330, -0.6670



70.8860, -27.1830, -30.5030



72.7850, -71.2940, -7.5020

Rectangle

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



87.7260, 16.5920, 29.7120



83.6800, 48.5960, 22.3880



70.8860, -27.1830, -30.5030



71.1430, -61.1590, -20.4790

Sweetspot

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



87.7260, 16.5920, 29.7120



144.9720, 6.3710, 11.1950



71.2100, -17.4260, 18.4620



71.3690, 3.5750, 6.7990



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



87.7260, 16.5920, 29.7120



104.8280, 25.7130, 46.1370



84.4200, 25.9010, 20.6930



57.4780, 1.6500, 3.1380



51.1690, 35.6590, 64.1310



103.1640, 71.8680, 129.3080

Inverse Universe

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



87.7260, 16.5920, 29.7120



104.8280, 25.7130, 46.1370



101.5800, -25.9010, -20.6930



57.4780, 1.6500, 3.1380



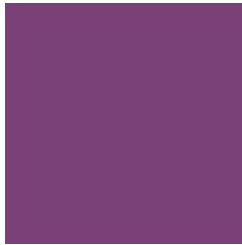
51.1690, 35.6590, 64.1310



103.1640, 71.8680, 129.3080

Previews

White Background



This preview shows how the YIQ color 87.7260, 16.5920, 29.7120 looks on a white background.

Color Contrast Check

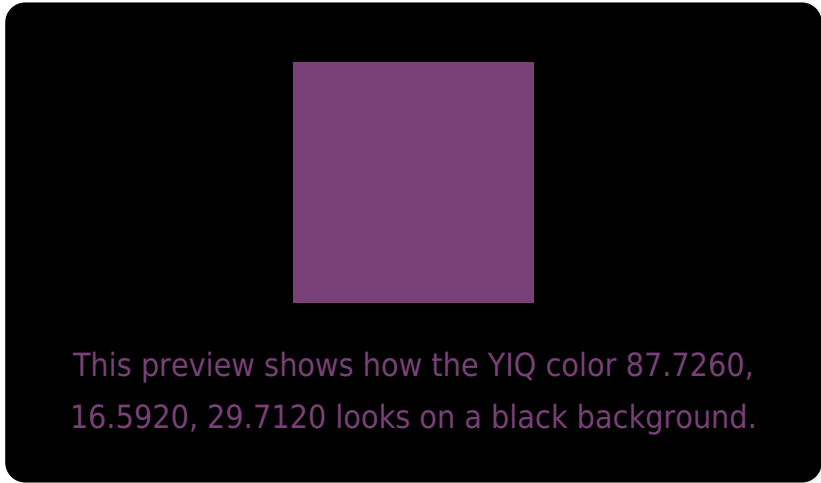
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

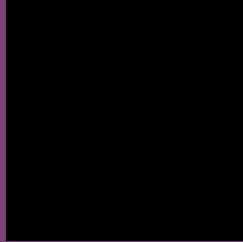
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.7260, 16.5920, 29.7120

Background



This preview shows how black text looks on a background with the YIQ color 87.7260, 16.5920, 29.7120.



This preview shows how white text looks on a background with the YIQ color 87.7260, 16.5920,

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

87.7260, 16.5920, 29.7120

Protanopia

84.6600, -27.7410, 12.6670

Deuteranopia

86.1420, -14.7190, 7.9450



Tritanopia

87.4270, 24.0230, 10.6710

Trichromacy



Original Color

87.7260, 16.5920, 29.7120

Protanomaly

85.8470, -11.9700, 18.7020

Deuteranomaly

86.3440, -3.3040, 15.8320

Tritanomaly

87.3870, 21.5000, 17.8520

Monochromacy



Original Color

87.7260, 16.5920, 29.7120

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.6730, 5.7750, 10.9830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.7260, 16.5920, 29.7120 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(122, 64, 120)` looks like.

```
.text, #text, p{  
    color:rgb(122, 64, 120)  
}
```

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(122, 64, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 64, 120) }
```

Border

The CSS property to change the border of an element to YIQ 87.7260, 16.5920, 29.7120 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(122, 64, 120) }
```


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

```
.border{ border-color:rgb(122, 64, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 64, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 64, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 64, 120);  
box-shadow:4px 4px 4px 4px rgb(122, 64,  
120) }
```

Background

The CSS property to change the background color of an element to YIQ 87.7260, 16.5920, 29.7120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 64, 120) }
```

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

```
.background{ background-color: rgb(122, 64,  
120) }
```

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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