

Converting Colors

YIQ(66.9900, 16.2690, 41.0770)

Have a look what the booklet for
YIQ(66.9900, 16.2690, 41.0770)
contains.

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Color

**YIQ(66.9900, 16.2690,
41.0770)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 6C2477 |
| RGB | 108, 36, 119 |
| RGB Percent | 42%, 14%, 47% |
| CMY | 0.5762, 0.8589, 0.5333 |
| CMYK | 0.09, 0.70, 0.00, 0.53 |
| HSL | 292°, 54%, 30% |
| HSV | 292°, 70%, 47% |
| XYZ | 10.1510, 5.7836, 18.0341 |
| YIQ | 66.9900, 16.2690, 41.0770 |

Conversions

Conversions Part 2

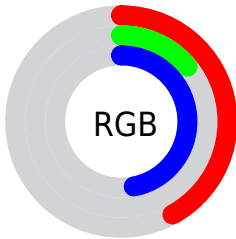
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 108, 36, 119 |
| Decimal | 7087223 |
| CIE _{Lab} | 28.86, 43.86, -32.49 |
| CIE _{LCh} | 29, 54.587, 323.472 |
| Yxy | 5.7836, 0.2988, 0.1703 |
| Android (android.graphics.Color) | 4285277303 (0xFF6C2477) |
| YUV | 66.9900, 25.6409, 35.9658 |
| Hunter-Lab | 24.0490, 33.2584, -27.6266 |

Details

The YIQ color **66.9900, 16.2690, 41.0770** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **88.0100, -16.2690, -41.0770**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.1150, 17.4150, 42.3350**, and **25.0230, 11.5020, 33.8540** is the 20% darker color. If you saturate the color by 10%, you get **59.3480, 18.3770, 46.9290**, and if you desaturate by 10%, it is **74.6320, 14.1610, 35.2250**.

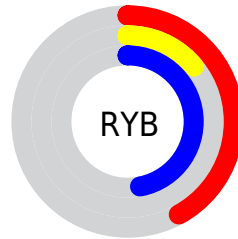
Distribution



Red (42%)

Green (14%)

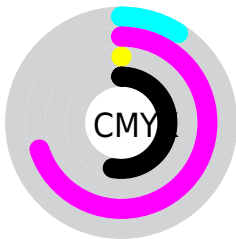
Blue (47%)



Red (42%)

Yellow (14%)

Blue (47%)

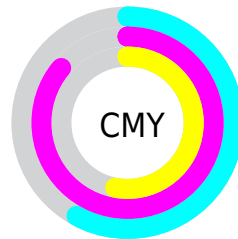


Cyan (9%)

Magenta (70%)

Yellow (0%)

Black (53%)



Cyan (58%)

Magenta (86%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 66.9900, 16.2690, 41.0770 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 66.9900, 16.2690, 41.0770 by changing the saturation by 10% instead.

66.9900, 16.2690,
41.0770

66.9900, 16.2690,
41.0770

255.0000, -0.0000,
-0.0000

38.1690, 17.3230,
44.0030

119.1150, 17.4150,
42.3350

25.0230, 11.5020,
33.8540

145.8270, 18.2860,
43.0700

16.1220, 6.3690,
22.2490

173.2400, 18.5610,
43.5930

3.4370, -8.3000,
7.2520

201.2510, 20.0280,
44.5400

0.0000, 0.0000,
0.0000

219.1930, 16.7750,
31.9030

236.2160, 8.8000,

16.7360

253.2390, 0.8250,
1.5690

66.9900, 16.2690,
41.0770

66.9900, 16.2690,
41.0770

59.3480, 18.3770,
46.9290

74.6320, 14.1610,
35.2250

52.0050, 21.0810,
52.9930

81.9750, 11.4570,
29.1610

44.3630, 23.1890,
58.8450

89.6170, 9.3490,
23.3090

96.9600, 6.6450,
17.2450

104.0150, 4.8120,
11.9160

■ 111.3580, 2.1080,
5.8520

■ 119.0000, -0.0000,
0.0000

■ 126.6420, -2.1080,
-5.8520

■ 133.9850, -4.8120,
-11.9160

Harmonies

Analogous

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



62.7310, -43.6980, 21.0220



66.9900, 16.2690, 41.0770



49.6700, 55.6970, 53.4010

Triad

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



66.9900, 16.2690, 41.0770



64.4890, 37.5070, -13.4450



61.9960, -56.0710, -13.5670

Complementary

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



66.9900, 16.2690, 41.0770



88.0100, -16.2690, -41.0770

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.



56.3930, -41.6720, -26.7280



66.9900, 16.2690, 41.0770



59.8720, 10.9630, -27.9890

Square

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



66.9900, 16.2690, 41.0770



61.7190, 60.8870, 3.3750



49.1600, -25.4390, -40.0870



64.8120, -66.7560, -1.6360

Rectangle

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



66.9900, 16.2690, 41.0770



47.6740, 67.0690, 45.5410



49.1600, -25.4390, -40.0870



60.4000, -51.5770, -17.9210

Sweetspot

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



66.9900, 16.2690, 41.0770



135.1340, 6.0950, 16.1990



51.9190, -29.6680, 20.0600



66.3630, 3.7120, 9.8240



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.



66.9900, 16.2690, 41.0770



73.7210, 25.2970, 64.6970



66.8590, 32.4550, 34.0790



55.1790, 1.0540, 2.9260



45.6020, 24.0140, 60.4140



93.3830, 49.0820, 123.7540

Inverse Universe

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



62.0710, 45.9370, 21.0170



66.1070, 72.6190, 33.0590



88.1410, -32.4550, -34.0790



54.9080, 3.2550, 1.5830



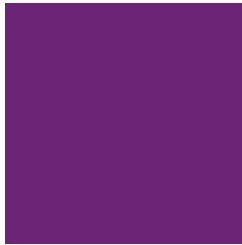
38.3020, 67.5760, 30.8400



78.5120, 138.4070, 63.2630

Previews

White Background



This preview shows how the YIQ color 66.9900, 16.2690, 41.0770 looks on a white background.

Color Contrast Check

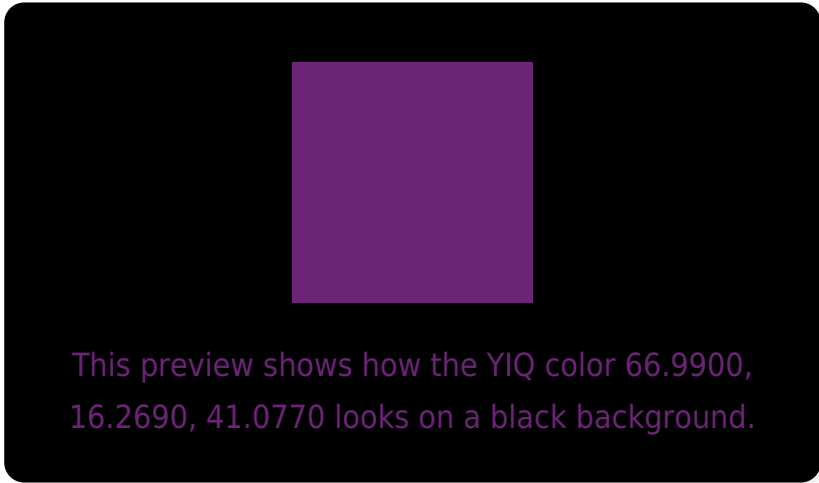
Large Text (above 18pt) WCAG AA ✓ Pass

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

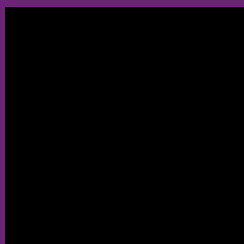
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 66.9900, 16.2690, 41.0770

Background



This preview shows how black text looks on a background with the YIQ color 66.9900, 16.2690, 41.0770.



This preview shows how white text looks on a background with the YIQ color 66.9900, 16.2690,

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

66.9900, 16.2690, 41.0770

Protanopia

55.5170, -64.0070, 9.1210

Deuteranopia

65.6440, -30.8120, 7.7480



Tritanopia

69.6120, 24.9400, 10.5720

Trichromacy



Original Color

66.9900, 16.2690, 41.0770

Protanomaly

59.8090, -35.1700, 20.6540

Deuteranomaly

66.0040, -13.8500, 19.7340

Tritanomaly

68.7940, 21.9120, 21.4000

Monochromacy



Original Color

66.9900, 16.2690, 41.0770

Achromatopsia

67.0000, -0.0000, -0.0000

Achromatomaly

67.1940, 5.8660, 14.8420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 66.9900, 16.2690, 41.0770 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(108, 36, 119)` looks like.

```
.text, #text, p{  
    color:rgb(108, 36, 119)  
}
```

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(108, 36, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 36, 119) }
```

Border

The CSS property to change the border of an element to YIQ 66.9900, 16.2690, 41.0770 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(108, 36, 119) }
```


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

```
.border{ border-color:rgb(108, 36, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 36, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 36, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 36, 119);  
box-shadow:4px 4px 4px 4px rgb(108, 36,  
119) }
```

Background

The CSS property to change the background color of an element to YIQ 66.9900, 16.2690, 41.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 36, 119) }
```

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

```
.background{ background-color: rgb(108, 36,  
119) }
```

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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