

Converting Colors

YIQ(42.8220, 25.8500, 49.1620)

Have a look what the booklet for
YIQ(42.8220, 25.8500, 49.1620)
contains.

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Color

**YIQ(42.8220, 25.8500,
49.1620)**

Conversions

Conversions Part 1

Format	Color
Hex	620462
RGB	98, 4, 98
RGB Percent	38%, 2%, 38%
CMY	0.6154, 0.9844, 0.6157
CMYK	0.00, 0.96, 0.00, 0.62
HSL	300°, 92%, 20%
HSV	300°, 96%, 38%
XYZ	7.2927, 3.5686, 11.8616
YIQ	42.8220, 25.8500, 49.1620

Conversions

Conversions Part 2

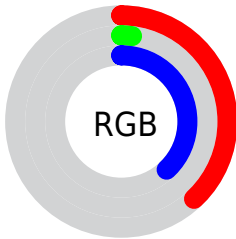
Format	Color
RYB	98, 4, 98
Decimal	6423650
CIELab	22.19, 47.85, -29.67
CIElCh	22, 56.303, 328.195
Yxy	3.5686, 0.3209, 0.1570
Android (android.graphics.Color)	4284613730 (0xFF620462)
YUV	42.8220, 27.2028, 48.3911
Hunter-Lab	18.8908, 35.8501, -24.0047

Details

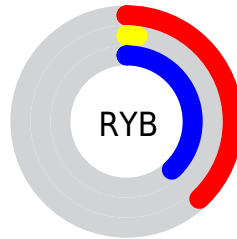
The YIQ color **42.8220, 25.8500, 49.1620** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **59.1780, -25.8500, -49.1620**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **100.5890, 24.8880, 44.5680**, and **20.4650, 12.8330, 26.2490** is the 20% darker color. If you saturate the color by 10%, you get **40.4740, 26.9500, 51.2540**, and if you desaturate by 10%, it is **48.6920, 23.1000, 43.9320**.

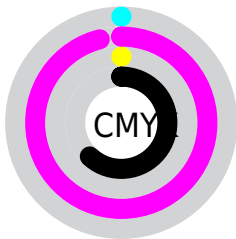
Distribution



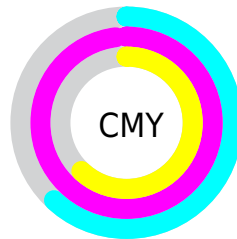
- Red (38%)
- Green (2%)
- Blue (38%)



- Red (38%)
- Yellow (2%)
- Blue (38%)



- Cyan (0%)
- Magenta (96%)
- Yellow (0%)
- Black (62%)





- Cyan (62%)
- Magenta (98%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 42.8220, 25.8500, 49.1620 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 42.8220, 25.8500, 49.1620 by changing the saturation by 10% instead.


 42.8220, 25.8500,
49.1620


 42.8220, 25.8500,
49.1620


255.0000, -0.0000,
-0.0000


 29.9640, 19.1580,
38.2780

 100.5890, 24.8880,
44.5680


 20.4650, 12.8330,
26.2490


 127.3010, 25.7590,
45.3030

 8.3890, 0.8230,
12.6230

 154.7140, 26.0340,
45.8260

 0.0000, 0.0000,
0.0000


 181.8390, 27.1800,
47.0840


 206.2790, 22.8250,
43.4090


 222.7150, 15.1250,


28.7650


 239.7380, 7.1500,
13.5980


 42.8220, 25.8500,
49.1620


 42.8220, 25.8500,
49.1620


 40.4740, 26.9500,
51.2540

 48.6920, 23.1000,
43.9320

 54.5620, 20.3500,
38.7020

 59.8450, 17.8750,
33.9950

 65.7150, 15.1250,
28.7650

 71.5850, 12.3750,
23.5350

■ 77.4550, 9.6250,
18.3050

■ 83.3250, 6.8750,
13.0750

■ 88.6080, 4.4000,
8.3680

■ 94.4780, 1.6500,
3.1380

Harmonies

Analogous

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



48.8030, -35.0330, 23.6790



42.8220, 25.8500, 49.1620



42.7910, 53.4980, 43.6900

Triad

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



42.8220, 25.8500, 49.1620



50.2690, 26.5030, -12.2570



50.9910, -48.5070, -7.4750

Complementary

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



42.8220, 25.8500, 49.1620



59.1780, -25.8500, -49.1620

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.



46.0890, -34.7040, -20.8480



42.8220, 25.8500, 49.1620



43.8690, -2.1500, -27.1260

Square

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



42.8220, 25.8500, 49.1620



47.2110, 50.7540, 5.2980



39.3290, -18.4250, -35.0410



54.1660, -58.8250, 3.3110

Rectangle

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



42.8220, 25.8500, 49.1620



39.8980, 63.0820, 35.1940



39.3290, -18.4250, -35.0410



49.3950, -44.0130, -11.8290

Sweetspot

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



42.8220, 25.8500, 49.1620



106.1670, 10.4960, 19.0400



14.7160, -30.1740, 29.2340



50.4990, 6.3250, 12.0290



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



42.8220, 25.8500, 49.1620



52.7500, 35.5210, 66.6330



37.4640, 40.9370, 34.5450



45.6520, 1.1000, 2.0920



46.2560, 30.8000, 58.5760



99.1200, 66.0000, 125.5200

Inverse Universe

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



42.8220, 25.8500, 49.1620



52.7500, 35.5210, 66.6330



64.5360, -40.9370, -34.5450



45.6520, 1.1000, 2.0920



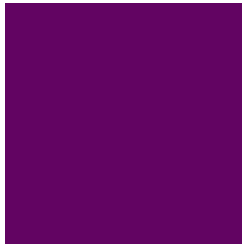
46.2560, 30.8000, 58.5760



99.1200, 66.0000, 125.5200

Previews

White Background



This preview shows how the YIQ color 42.8220, 25.8500, 49.1620 looks on a white background.

Color Contrast Check

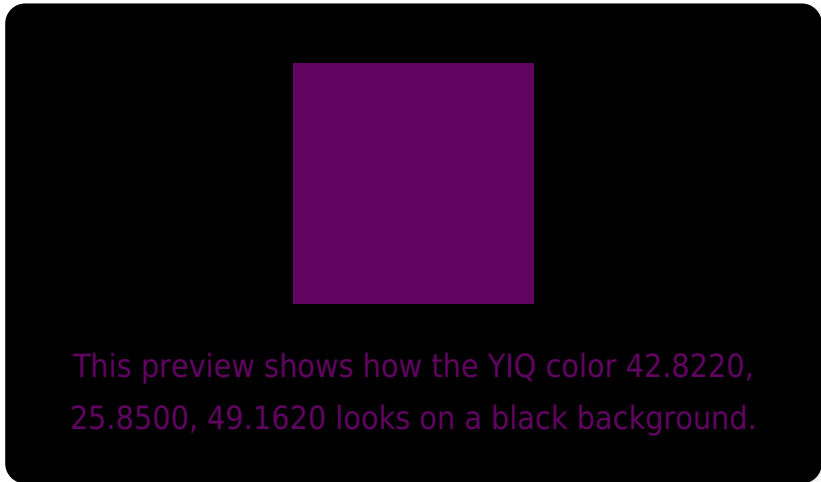
Large Text (above 18pt) WCAG AA ✓ Pass

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

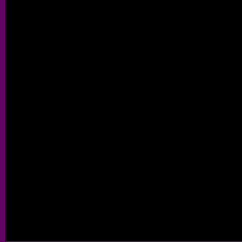
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.8220, 25.8500, 49.1620

Background



This preview shows how black text looks on a background with the YIQ color 42.8220, 25.8500, 49.1620.



This preview shows how white text looks on a background with the YIQ color 42.8220, 25.8500,

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

42.8220, 25.8500, 49.1620

Protanopia

44.8080, -51.7650, 7.5230

Deuteranopia

54.1130, -24.9430, 6.0090



Tritanopia

55.0750, 30.9460, 11.8580

Trichromacy



Original Color

42.8220, 25.8500, 49.1620

Protanomaly

44.3220, -23.4330, 22.7030

Deuteranomaly

50.0650, -6.6520, 21.4440

Tritanomaly

50.4360, 28.9720, 25.6120

Monochromacy



Original Color

42.8220, 25.8500, 49.1620

Achromatopsia

43.0000, -0.0000, -0.0000

Achromatomaly

43.0420, 9.3500, 17.7820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.8220, 25.8500, 49.1620 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(98, 4, 98)` looks like.

```
.text, #text, p{  
    color:rgb(98, 4, 98)  
}
```

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(98, 4, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 4, 98) }
```

Border

The CSS property to change the border of an element to YIQ 42.8220, 25.8500, 49.1620 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(98, 4, 98) }
```


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

```
.border{ border-color:rgb(98, 4, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 4, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 4, 98); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 4, 98); box-shadow:4px  
4px 4px 4px rgb(98, 4, 98) }
```

Background

The CSS property to change the background color of an element to YIQ 42.8220, 25.8500, 49.1620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 4, 98) }
```

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

```
.background{ background-color: rgb(98, 4,  
98) }
```

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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