

Converting Colors

YIQ(72.8850, -5.9650, 25.5150)

Have a look what the booklet for
YIQ(72.8850, -5.9650, 25.5150)
contains.

YIQ(72.8850, -5.9650, 25.5150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(72.8850, -5.9650,
25.5150)**

Conversions

Conversions Part 1

Format	Color
Hex	533A7B
RGB	83, 58, 123
RGB Percent	33%, 23%, 48%
CMY	0.6744, 0.7726, 0.5177
CMYK	0.32, 0.53, 0.00, 0.52
HSL	263°, 36%, 35%
HSV	263°, 53%, 48%
XYZ	8.6560, 6.2948, 19.4915
YIQ	72.8850, -5.9650, 25.5150

Conversions

Conversions Part 2

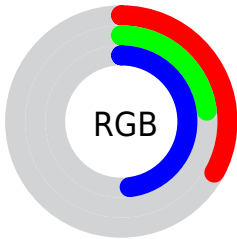
Format	Color
R_{YB}	83, 58, 123
Decimal	5454459
CIE _{Lab}	30.14, 26.06, -33.16
CIE _{LCh}	30, 42.172, 308.162
Yxy	6.2948, 0.2513, 0.1828
Android (android.graphics.Color)	4283644539 (0xFF533A7B)
YUV	72.8850, 24.7067, 8.8709
Hunter-Lab	25.0895, 17.6771, -28.4985

Details

The YIQ color **72.8850, -5.9650, 25.5150** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **108.1150, 5.9650, -25.5150**, and the grayscale version is **73.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **122.6510, -5.1860, 27.9180**, and **26.8200, -7.3400, 22.9000** is the 20% darker color. If you saturate the color by 10%, you get **63.4490, -7.4330, 30.0950**, and if you desaturate by 10%, it is **82.3210, -4.4970, 20.9350**.

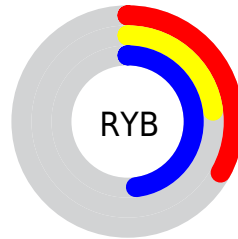
Distribution



Red (33%)

Green (23%)

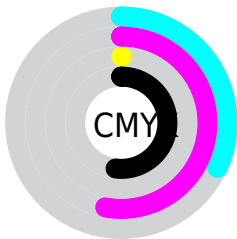
Blue (48%)



Red (33%)

Yellow (23%)

Blue (48%)

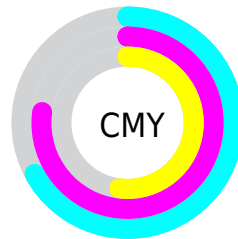


Cyan (32%)

Magenta (53%)

Yellow (0%)

Black (52%)



Cyan (67%)

Magenta (77%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 72.8850, -5.9650, 25.5150 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 72.8850, -5.9650, 25.5150 by changing the saturation by 10% instead.

■ 72.8850, -5.9650,
25.5150

■ 72.8850, -5.9650,
25.5150

■ 255.0000, -0.0000,
-0.0000

■ 49.6460, -6.7900,
23.9460

■ 122.6510, -5.1860,
27.9180

■ 26.8200, -7.3400,
22.9000

■ 148.5910, -4.9570,
29.2750

■ 10.8970, -6.2390,
19.4650

■ 175.7050, -5.2780,
29.5860

■ 4.4800, -9.8590,
7.9730

■ 202.5480, -3.3980,
28.5540

■ 0.0000, 0.0000,
0.0000

■ 227.0680, 6.4610,
20.5810

■ 246.7820, 3.8500,

7.3220

■ 72.8850, -5.9650,
25.5150

■ 72.8850, -5.9650,
25.5150

■ 63.4490, -7.4330,
30.0950

■ 82.3210, -4.4970,
20.9350

■ 53.7250, -8.0300,
35.4100

■ 92.0450, -3.9000,
15.6200

■ 44.2890, -9.4980,
39.9900

■ 101.4810, -2.4320,
11.0400

■ 35.1520, -10.3700,
44.7820

■ 110.6180, -1.5600,
6.2480

■ 28.0750, -11.4710,
48.2170

■ 120.0540, -0.0920,
1.6680

■ 129.7780, 0.5050,
-3.6470

■ 139.2140, 1.9730,
-8.2270

■ 148.6500, 3.4410,
-12.8070

■ 158.3740, 4.0380,
-18.1220

Harmonies

Analogous

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



57.7680, -63.4560, 4.6400



72.8850, -5.9650, 25.5150



70.5810, 27.3660, 32.6940

Triad

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



72.8850, -5.9650, 25.5150



66.9570, 45.1170, -8.1870



59.4880, -49.0090, -20.4090

Complementary

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



72.8850, -5.9650, 25.5150



108.1150, 5.9650, -25.5150

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.



54.4380, -37.5450, -29.9370



72.8850, -5.9650, 25.5150



65.5860, 26.6880, -21.1200

Square

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



72.8850, -5.9650, 25.5150



67.7260, 50.9820, 12.1820



61.1850, -0.2240, -28.9920



62.5490, -59.0060, -9.9340

Rectangle

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



72.8850, -5.9650, 25.5150



67.5410, 42.0380, 31.1100



61.1850, -0.2240, -28.9920



58.2340, -45.4780, -23.8300

Sweetspot

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



72.8850, -5.9650, 25.5150



140.9540, -2.3860, 10.2060



88.8900, -31.8650, -0.7050



69.6180, -1.5600, 6.2480



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



72.8850, -5.9650, 25.5150



82.2890, -9.4980, 39.9900



82.4530, 13.1070, 32.2990



56.2820, -0.7340, 2.2900



28.6020, -11.5170, 49.0510



57.7310, -23.0800, 98.9360

Inverse Universe

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



81.9950, 25.9000, 26.2200



96.6800, 40.5690, 41.2170



98.5470, -13.1070, -32.2990



57.2500, 2.2920, 2.5160



46.1530, 49.7830, 50.4470



93.0180, 100.4370, 101.6290

Previews

White Background



This preview shows how the YIQ color 72.8850, -5.9650, 25.5150 looks on a white background.

Color Contrast Check

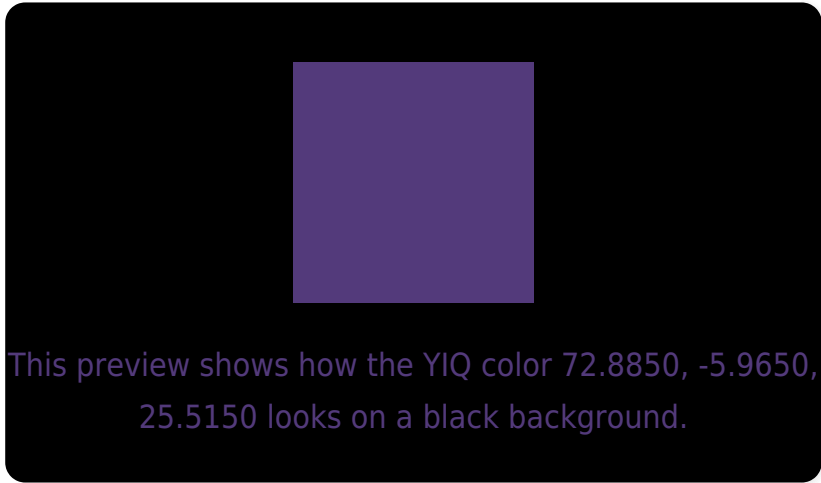
Large Text (above 18pt) WCAG AA ✓ Pass

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

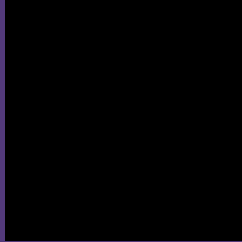
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 72.8850, -5.9650, 25.5150

Background



This preview shows how black text looks on a background with the YIQ color 72.8850, -5.9650, 25.5150.



This preview shows how white text looks on a background with the YIQ color 72.8850, -5.9650,

25.5150.

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

72.8850, -5.9650, 25.5150

Protanopia

66.5430, -40.5330, 13.2190

Deuteranopia

67.0070, -36.2680, 7.5080



Tritanopia

71.7660, 0.7790, 2.4030

Trichromacy



Original Color

72.8850, -5.9650, 25.5150

Protanomaly

68.8220, -28.0170, 17.6710

Deuteranomaly

69.2690, -25.0820, 14.0380

Tritanomaly

72.2530, -1.7900, 10.4180

Monochromacy



Original Color

72.8850, -5.9650, 25.5150

Achromatopsia

73.0000, -0.0000, -0.0000

Achromatomaly

73.3130, -2.0190, 9.0610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 72.8850, -5.9650, 25.5150 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(83, 58, 123)` looks like.

```
.text, #text, p{  
    color:rgb(83, 58, 123)  
}
```

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(83, 58, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 58, 123) }
```

Border

The CSS property to change the border of an element to YIQ 72.8850, -5.9650, 25.5150 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(83, 58, 123) }
```


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

```
.border{ border-color:rgb(83, 58, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 58, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 58, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 58, 123);  
box-shadow:4px 4px 4px 4px rgb(83, 58,  
123) }
```

Background

The CSS property to change the background color of an element to YIQ 72.8850, -5.9650, 25.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 58, 123) }
```

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

```
.background{ background-color: rgb(83, 58,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor