

Converting Colors

YUV(87.5870, 36.6856, -6.6538)

Have a look what the booklet for
YUV(87.5870, 36.6856, -6.6538)
contains.

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Color

**YUV(87.5870, 36.6856,
-6.6538)**

Conversions

Conversions Part 1

Format	Color
Hex	504DA2
RGB	80, 77, 162
RGB Percent	31%, 30%, 64%
CMY	0.6863, 0.6980, 0.3647
CMYK	0.51, 0.52, 0.00, 0.36
HSL	242°, 36%, 47%
HSV	242°, 52%, 64%
XYZ	12.4837, 9.6219, 35.3817
YIQ	87.5870, -25.4970, 27.0710

Conversions

Conversions Part 2

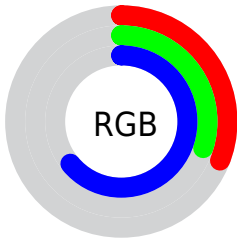
Format	Color
R_{YB}	80, 77, 162
Decimal	5262754
CIE _{Lab}	37.16, 25.04, -45.85
CIE _{LCh}	37, 52.246, 298.641
Yxy	9.6219, 0.2172, 0.1674
Android (android.graphics.Color)	4283452834 (0xFF504DA2)
YUV	87.5870, 36.6856, -6.6538
Hunter-Lab	31.0191, 17.5543, -45.9152

Details

The YUV color **87.5870, 36.6856, -6.6538** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **151.4130, -36.6856, 6.6538**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.0650, 38.4220, -3.5650**, and **37.5920, 35.6971, -16.3052** is the 20% darker color. If you saturate the color by 10%, you get **73.4110, 43.6744, -8.2534**, and if you desaturate by 10%, it is **101.7630, 29.6968, -5.0542**.

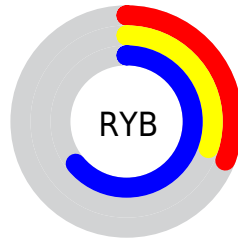
Distribution



Red (31%)

Green (30%)

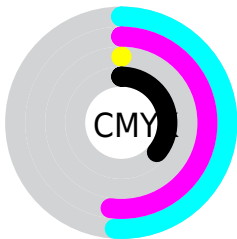
Blue (64%)



Red (31%)

Yellow (30%)

Blue (64%)

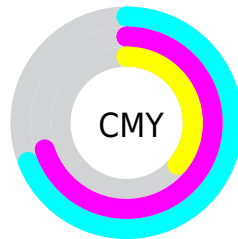


Cyan (51%)

Magenta (52%)

Yellow (0%)

Black (36%)



Cyan (69%)

Magenta (70%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.5870, 36.6856, -6.6538 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 YUV color 87.5870, 36.6856, -6.6538 by changing the saturation by 10% instead.

■ 87.5870, 36.6856,
-6.6538

■ 87.5870, 36.6856,
-6.6538

■ 255.0000, 0.0000,
0.0000

■ 62.6360, 35.6755,
-9.3278

■ 139.0650, 38.4220,
-3.5650

■ 37.5920, 35.6971,
-16.3052

■ 165.7060, 39.5849,
-3.2502

■ 17.3210, 33.3657,
-15.1905

■ 191.2520, 31.4278,
-0.2210

■ 6.9540, 26.6447,
-6.0987

■ 215.7720, 19.3394,
3.7080

■ 6.0930, 15.7302,
-5.3436

■ 241.4660, 6.6723,
6.6073

■ 2.2970, 6.2626,
-2.0145

■ 0.0000, 0.0000,

0.0000

■ 87.5870, 36.6856,
-6.6538

■ 87.5870, 36.6856,
-6.6538

■ 73.4110, 43.6744,
-8.2534

■ 101.7630, 29.6968,
-5.0542

■ 59.5340, 50.5157,
-9.2383

■ 115.6400, 22.8555,
-4.0693

■ 44.7710, 57.7939,
-10.3232

■ 130.4030, 15.5773,
-2.9844

■ 30.5950, 64.7827,
-11.9228

■ 144.5790, 8.5886,
-1.3848

■ 20.2620, 69.8768,
-12.5078

■ 158.4560, 1.7472,
-0.3999

■ 172.6320, -5.2416,
1.1997

■ 186.5090,
-12.0829, 2.1846

■ 201.2720,
-19.3611, 3.2695

■ 215.4480,
-26.3499, 4.8691

Harmonies

Analogous

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



74.1990, 48.2159, -65.0725



87.5870, 36.6856, -6.6538



87.6980, 21.8409, 41.4839

Triad

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



87.5870, 36.6856, -6.6538



82.3890, -36.6738, 49.6478



71.7980, 6.0156, -62.9668

Complementary

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



87.5870, 36.6856, -6.6538



151.4130, -36.6856, 6.6538

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.



65.0210, -12.3354, -57.0234



87.5870, 36.6856, -6.6538



82.1870, -40.5182, 22.6380

Square

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



87.5870, 36.6856, -6.6538



81.4170, -15.4886, 68.0403



76.6730, -37.7998, -9.3602



76.7000, 24.7979, -67.2659

Rectangle

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



87.5870, 36.6856, -6.6538



83.2570, 10.7193, 62.0416



76.6730, -37.7998, -9.3602



69.5010, -0.2470, -60.9524

Sweetspot

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



87.5870, 36.6856, -6.6538



182.1750, 14.7037, -2.7845



134.8240, 13.3978, -50.7116



89.2800, 8.7360, -1.9996



235.0000, 0.0000, 0.0000



107.0000, 0.0000, 0.0000

Same Dimension

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



87.5870, 36.6856, -6.6538



94.7710, 57.7939, -10.3232



100.1450, 30.4945, 19.1668



74.3250, 3.7838, -0.2850



18.0250, 62.5987, -11.4229



2.3510, 7.7150, -1.1848

Inverse Universe

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



111.7630, 23.2878, 44.0578



132.7720, 36.5944, 69.4830



138.8550, -30.4945, -19.1668



76.6030, 2.1677, 4.7332



59.3150, 39.7777, 75.1457



7.3200, 4.7722, 9.3664

Previews

White Background



This preview shows how the YUV color 87.5870, 36.6856, -6.6538 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



This preview shows how the YUV color 87.5870, 36.6856, -6.6538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

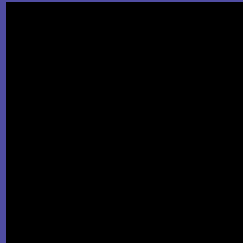
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.5870, 36.6856, -6.6538

Background



This preview shows how black text looks on a background with the YUV color 87.5870, 36.6856, -6.6538.



This preview shows how white text looks on a background with the YUV color 87.5870, 36.6856, -6.6538.

-6.6538.

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

87.5870, 36.6856, -6.6538

Protanopia

79.4520, 44.6402, -38.1074

Deuteranopia

70.1410, 42.8215, -61.5137



Tritanopia

83.6430, 8.0640, -19.8579

Trichromacy



Original Color

87.5870, 36.6856, -6.6538

Protanomaly

82.1330, 41.8394, -26.4266

Deuteranomaly

76.6920, 40.5778, -41.8259

Tritanomaly

85.4230, 18.5255, -15.2800

Monochromacy



Original Color

87.5870, 36.6856, -6.6538

Achromatopsia

88.0000, 0.0000, 0.0000

Achromatomaly

87.8330, 13.3933, -2.4845

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.5870, 36.6856, -6.6538 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(80, 77, 162)` looks like.

```
.text, #text, p{  
    color:rgb(80, 77, 162)  
}
```

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(80, 77, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 77, 162) }
```

Border

The CSS property to change the border of an element to YUV 87.5870, 36.6856, -6.6538 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(80, 77, 162) }
```


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

```
.border{ border-color:rgb(80, 77, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 77, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 77, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 77, 162);  
box-shadow:4px 4px 4px 4px rgb(80, 77,  
162) }
```

Background

The CSS property to change the background color of an element to YUV 87.5870, 36.6856, -6.6538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 77, 162) }
```

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

```
.background{ background-color: rgb(80, 77,  
162) }
```

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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