

Converting Colors

YUV(80.6900, 50.4388,
-31.3001)

Have a look what the booklet for
YUV(80.6900, 50.4388, -31.3001)
contains.

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Color

**YUV(80.6900, 50.4388,
-31.3001)**

Conversions

Conversions Part 1

Format	Color
Hex	2D4FB7
RGB	45, 79, 183
RGB Percent	18%, 31%, 72%
CMY	0.8235, 0.6902, 0.2824
CMYK	0.75, 0.57, 0.00, 0.28
HSL	225°, 61%, 45%
HSV	225°, 75%, 72%
XYZ	12.4254, 9.5688, 45.9918
YIQ	80.6900, -53.6480, 25.1360

Conversions

Conversions Part 2

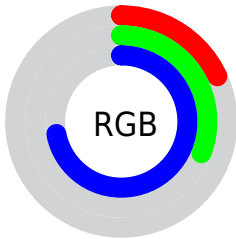
Format	Color
R_{YB}	45, 72, 183
Decimal	2969527
CIE _{Lab}	37.06, 25.07, -58.58
CIE _{LCh}	37, 63.722, 293.166
Yxy	9.5688, 0.1828, 0.1407
Android (android.graphics.Color)	4281159607 (0xFF2D4FB7)
YUV	80.6900, 50.4388, -31.3001
Hunter-Lab	30.9334, 17.5669, -66.4991

Details

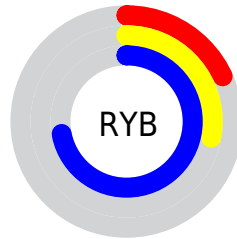
The YUV color **80.6900, 50.4388, -31.3001** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **147.3100, -50.4388, 31.3001**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.6850, 51.4273, -21.6487**, and **35.8380, 45.9289, -31.4299** is the 20% darker color. If you saturate the color by 10%, you get **67.0900, 57.1436, -35.1589**, and if you desaturate by 10%, it is **94.2900, 43.7340, -27.4413**.

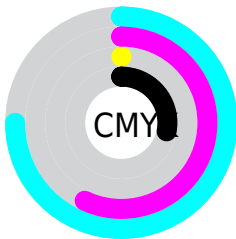
Distribution



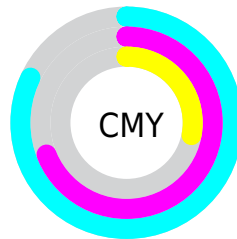
- Red (18%)
- Green (31%)
- Blue (72%)



- Red (18%)
- Yellow (28%)
- Blue (72%)



- Cyan (75%)
- Magenta (57%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (69%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the YUV color 80.6900, 50.4388, -31.3001 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 80.6900, 50.4388, -31.3001 by changing the saturation by 10% instead.

■ 80.6900, 50.4388,
-31.3001

■ 80.6900, 50.4388,
-31.3001

■ 255.0000, 0.0000,
0.0000

■ 51.2430, 51.6452,
-44.9401

■ 135.6850, 51.4273,
-21.6487

■ 35.8380, 45.9289,
-31.4299

■ 160.7410, 46.4697,
-18.1899

■ 22.3080, 39.7812,
-19.5641

■ 185.5600, 34.2339,
-13.6461

■ 8.8920, 34.0702,
-7.7983

■ 210.6670, 21.8562,
-10.2320

■ 9.0910, 22.1401,
-7.9728

■ 236.0730, 9.3310,
-6.2030

■ 4.8220, 13.3988,
-4.2289

■ 0.4560, 1.7472,

-0.3999

■ 0.0000, 0.0000,
0.0000

■ 80.6900, 50.4388,
-31.3001

■ 80.6900, 50.4388,
-31.3001

■ 67.0900, 57.1436,
-35.1589

■ 94.2900, 43.7340,
-27.4413

■ 53.1910, 63.9958,
-39.6325

■ 108.1890, 36.8818,
-22.9678

■ 47.2770, 66.9114,
-41.4619

■ 121.2020, 30.4664,
-18.5942

■ 134.8020, 23.7616,
-14.7354

■ 148.7010, 16.9094,
-10.2618

■ 162.3010, 10.2046,
-6.4030

■ 175.9010, 3.4998,
-2.5442

■ 188.9140, -2.9156,
1.8294

■ 202.8130, -9.7678,
6.3030

Harmonies

Analogous

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



78.7130, 55.3575, -69.0313



80.6900, 50.4388, -31.3001



86.2280, 31.4396, 42.7730

Triad

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



80.6900, 50.4388, -31.3001



78.6190, -38.7592, 65.2321



71.7180, 0.6320, -62.8967

Complementary

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



80.6900, 50.4388, -31.3001



147.3100, -50.4388, 31.3001

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.



62.7580, -23.5447, -55.0388



80.6900, 50.4388, -31.3001



82.5300, -40.6873, 30.2302

Square

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



80.6900, 50.4388, -31.3001



68.6940, -8.7231, 91.4764



76.9830, -37.9526, -7.0011



78.3470, 23.4929, -68.7103

Rectangle

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



80.6900, 50.4388, -31.3001



74.8040, 21.2956, 76.4709



76.9830, -37.9526, -7.0011



69.0790, -6.9409, -60.5823

Sweetspot

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



80.6900, 50.4388, -31.3001



196.7870, 19.8250, -12.0912



137.8620, 5.4910, -81.4400



95.1590, 12.2466, -8.0324



247.0000, 0.0000, 0.0000



120.0000, 0.0000, 0.0000

Same Dimension

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



80.6900, 50.4388, -31.3001



78.8060, 77.9896, -48.0649



71.1970, 55.1189, 7.7202



85.2000, 3.3524, -1.9294



40.0900, 57.1436, -35.1589



7.3010, 10.2046, -6.4030

Inverse Universe

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



90.1380, -5.4910, 81.4400



93.6150, -8.6842, 125.7486



157.1020, -55.2663, -7.1055



85.9190, -0.4531, 5.3330



50.9760, -6.3972, 92.1060



9.1700, -1.0698, 16.5139

Previews

White Background



This preview shows how the YUV color 80.6900, 50.4388, -31.3001 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 80.6900, 50.4388, -31.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

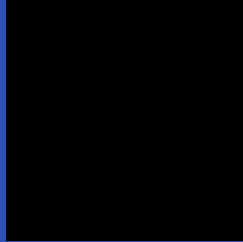
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 80.6900, 50.4388, -31.3001

Background



This preview shows how black text looks on a background with the YUV color 80.6900, 50.4388, -31.3001.



This preview shows how white text looks on a background with the YUV color 80.6900, 50.4388,

-31.3001.

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

80.6900, 50.4388, -31.3001

Protanopia

69.6000, 53.4412, -61.0392

Deuteranopia

69.6850, 41.0743, -61.1137



Tritanopia

68.0940, 17.2087, -59.7184

Trichromacy



Original Color

80.6900, 50.4388, -31.3001

Protanomaly

73.4380, 52.5351, -50.3731

Deuteranomaly

73.3750, 44.6781, -50.3179

Tritanomaly

72.6620, 29.2536, -49.6926

Monochromacy



Original Color

80.6900, 50.4388, -31.3001

Achromatopsia

81.0000, 0.0000, 0.0000

Achromatomaly

80.7440, 18.3672, -11.1765

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.6900, 50.4388, -31.3001 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(45, 79, 183)` looks like.

```
.text, #text, p{  
    color:rgb(45, 79, 183)  
}
```

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(45, 79, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 79, 183) }
```

Border

The CSS property to change the border of an element to YUV 80.6900, 50.4388, -31.3001 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(45, 79, 183) }
```


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

```
.border{ border-color:rgb(45, 79, 183) }
```

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

Here you see how a box with a 4 pixel rgb(45, 79, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 79, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 79, 183);  
box-shadow:4px 4px 4px 4px rgb(45, 79,  
183) }
```

Background

The CSS property to change the background color of an element to YUV 80.6900, 50.4388, -31.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 79, 183) }
```

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

```
.background{ background-color: rgb(45, 79,  
183) }
```

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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