

Converting Colors

YUV(78.5980, 77.1062, 2.1066)

Have a look what the booklet for
YUV(78.5980, 77.1062, 2.1066)
contains.

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Color

**YUV(78.5980, 77.1062,
2.1066)**

Conversions

Conversions Part 1

Format	Color
Hex	512FEB
RGB	81, 47, 235
RGB Percent	32%, 18%, 92%
CMY	0.6824, 0.8157, 0.0784
CMYK	0.66, 0.80, 0.00, 0.08
HSL	251°, 82%, 55%
HSV	251°, 80%, 92%
XYZ	19.4053, 9.7805, 79.4623
YIQ	78.5980, -40.0840, 65.6760

Conversions

Conversions Part 2

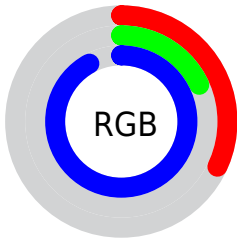
Format	Color
R _Y B	81, 47, 235
Decimal	5320683
CIE Lab	37.45, 64.05, -87.92
CIE LCh	37, 108.774, 306.073
Yxy	9.7805, 0.1786, 0.0900
Android (android.graphics.Color)	4283510763 (0xFF512FEB)
YUV	78.5980, 77.1062, 2.1066
Hunter-Lab	31.2738, 56.0292, -128.7558

Details

The YUV color **78.5980, 77.1062, 2.1066** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **203.4020, -77.1062, -2.1066**, and the grayscale version is **78.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.7340, 60.7701, 15.1423**, and **20.2920, 77.7500, -17.7961** is the 20% darker color. If you saturate the color by 10%, you get **58.8290, 86.8523, 2.7810**, and if you desaturate by 10%, it is **98.3670, 67.3601, 1.4321**.

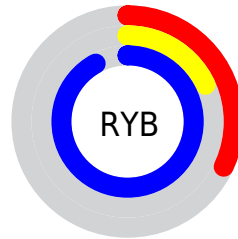
Distribution



Red (32%)

Green (18%)

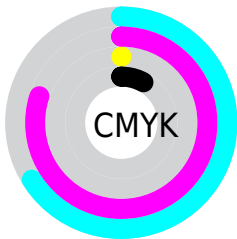
Blue (92%)



Red (32%)

Yellow (18%)

Blue (92%)

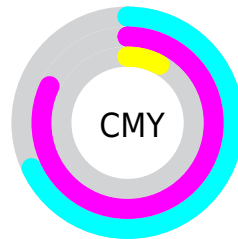


Cyan (66%)

Magenta (80%)

Yellow (0%)

Black (8%)



Cyan (68%)

Magenta (82%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the YUV color 78.5980, 77.1062, 2.1066 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 78.5980, 77.1062, 2.1066 by changing the saturation by 10% instead.

■ 78.5980, 77.1062,
2.1066

■ 78.5980, 77.1062,
2.1066

■ 255.0000, 0.0000,
0.0000

■ 44.8140, 79.4647,
-7.7299

■ 131.7340, 60.7701,
15.1423

■ 20.2920, 77.7500,
-17.7961

■ 156.8520, 48.3870,
20.3008

■ 17.1000, 65.5197,
-14.9967

■ 182.2690, 35.8564,
26.0741

■ 14.0220, 53.7262,
-12.2973

■ 207.9740, 23.1838,
30.7178

■ 15.7540, 40.0543,
-13.8163

■ 227.9980, 13.3120,
23.6808

■ 12.9040, 29.1343,
-11.3168

■ 245.0210, 4.9196,

■ 7.8200, 19.8087,

8.7516

-6.8581

■ 3.6650, 11.5042,
-3.2142

■ 0.0000, 0.0000,
0.0000

■ 78.5980, 77.1062,
2.1066

■ 78.5980, 77.1062,
2.1066

■ 58.8290, 86.8523,
2.7810

■ 98.3670, 67.3601,
1.4321

■ 39.6470, 96.3090,
2.9406

■ 117.8480, 57.7559,
1.8873

■ 137.6170, 48.0098,
1.2129

■ 156.7990, 38.5531,
1.0533

■ 175.9810, 29.0964,
0.8937

■ 196.0490, 19.2028,
0.8340

■ 215.2310, 9.7461,
0.6744

■ 235.0000, 0.0000,
0.0000

■ 252.4210, -8.5886,
1.3848

Harmonies

Analogous

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



87.1830, 82.7338, -76.4595



78.5980, 77.1062, 2.1066



77.6700, 41.5747, 105.5294

Triad

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



78.5980, 77.1062, 2.1066



77.2010, -38.0601, 74.3687



80.6490, 12.0050, -70.7292

Complementary

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



78.5980, 77.1062, 2.1066



203.4020, -77.1062, -2.1066

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.



66.9180, -32.9906, -58.6871



78.5980, 77.1062, 2.1066



81.5120, -40.1854, 9.1980

Square

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



78.5980, 77.1062, 2.1066



62.7900, -30.9555, 129.1032



63.3960, -31.2542, -55.5983



91.7410, 49.4277, -80.4569

Rectangle

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



78.5980, 77.1062, 2.1066



78.5330, 12.5552, 126.6976



63.3960, -31.2542, -55.5983



76.5280, -1.2463, -67.1151

Sweetspot

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



78.5980, 77.1062, 2.1066



204.2430, 25.0232, 0.6639



160.5910, 36.6836, -99.6193



97.0120, 15.2771, -0.0105



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



78.5980, 77.1062, 2.1066



51.0860, 100.5296, 2.5556



105.8070, 63.6921, 58.0513



107.8520, 4.5100, 0.1298



30.5010, 74.1960, 2.1916



9.1460, 22.1130, 0.7490

Inverse Universe

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



120.7680, 39.5544, 100.1815



106.1690, 51.6817, 130.5248



176.1930, -63.6921, -58.0513



110.3150, 2.3097, 5.8627



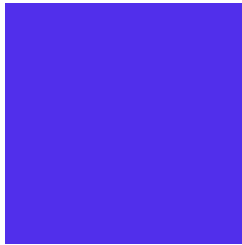
70.9910, 37.9654, 96.4779



21.1620, 11.2591, 28.7989

Previews

White Background



This preview shows how the YUV color 78.5980, 77.1062, 2.1066 looks on a white background.

Color Contrast Check

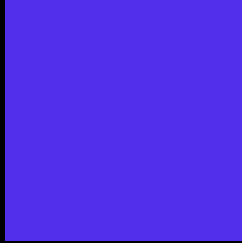
Large Text (above 18pt) WCAG AA ✓ Pass

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 78.5980, 77.1062, 2.1066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

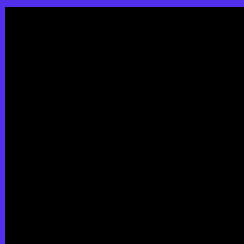
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 78.5980, 77.1062, 2.1066

Background



This preview shows how black text looks on a background with the YUV color 78.5980, 77.1062, 2.1066.



This preview shows how white text looks on a background with the YUV color 78.5980, 77.1062,

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

78.5980, 77.1062, 2.1066

Protanopia

70.1870, 53.1518, -61.5540

Deuteranopia

70.1580, 40.3481, -61.5286



Tritanopia

68.7950, 17.3561, -60.3332

Trichromacy



Original Color

78.5980, 77.1062, 2.1066

Protanomaly

73.0340, 62.1012, -38.6178

Deuteranomaly

72.8570, 53.8075, -38.4626

Tritanomaly

72.3720, 39.2566, -38.0372

Monochromacy



Original Color

78.5980, 77.1062, 2.1066

Achromatopsia

79.0000, 0.0000, 0.0000

Achromatomaly

78.7530, 28.2228, 1.0936

CSS Examples

Text

The CSS property to change the color of the text to YUV 78.5980, 77.1062, 2.1066 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(81, 47, 235)` looks like.

```
.text, #text, p{  
    color:rgb(81, 47, 235)  
}
```

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(81, 47, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 47, 235) }
```

Border

The CSS property to change the border of an element to YUV 78.5980, 77.1062, 2.1066 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(81, 47, 235) }
```


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

```
.border{ border-color:rgb(81, 47, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 47, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 47, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 47, 235);  
box-shadow:4px 4px 4px 4px rgb(81, 47,  
235) }
```

Background

The CSS property to change the background color of an element to YUV 78.5980, 77.1062, 2.1066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 47, 235) }
```

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

```
.background{ background-color: rgb(81, 47,  
235) }
```

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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