

Converting Colors

YUV(64.4580, 86.0492,
-19.6957)

Have a look what the booklet for
YUV(64.4580, 86.0492, -19.6957)
contains.

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Color

**YUV(64.4580, 86.0492,
-19.6957)**

Conversions

Conversions Part 1

Format	Color
Hex	2A2AEF
RGB	42, 42, 239
RGB Percent	16%, 16%, 94%
CMY	0.8353, 0.8353, 0.0627
CMYK	0.82, 0.82, 0.00, 0.06
HSL	240°, 86%, 55%
HSV	240°, 82%, 94%
XYZ	17.3628, 8.3802, 82.3638
YIQ	64.4580, -63.2370, 61.2670

Conversions

Conversions Part 2

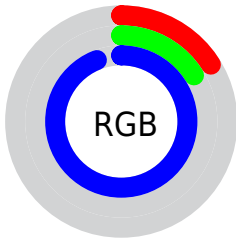
Format	Color
R _Y B	42, 42, 239
Decimal	2763503
CIE Lab	34.76, 64.90, -94.71
CIE LCh	35, 114.812, 304.421
Yxy	8.3802, 0.1606, 0.0775
Android (android.graphics.Color)	4280953583 (0xFF2A2AEF)
YUV	64.4580, 86.0492, -19.6957
Hunter-Lab	28.9485, 56.4012, -148.4268

Details

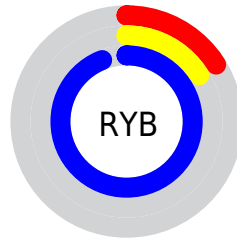
The YUV color **64.4580, 86.0492, -19.6957** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **216.5420, -86.0492, 19.6957**, and the grayscale version is **64.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **121.3350, 65.8968, 4.0912**, and **20.6340, 79.0604, -18.0960** is the 20% darker color. If you saturate the color by 10%, you get **43.1940, 96.5324, -22.0951**, and if you desaturate by 10%, it is **85.7220, 75.5661, -17.2962**.

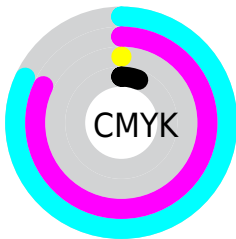
Distribution



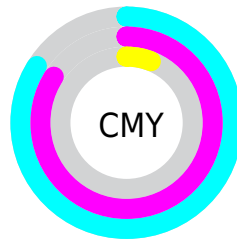
- Red (16%)
- Green (16%)
- Blue (94%)



- Red (16%)
- Yellow (16%)
- Blue (94%)



- Cyan (82%)
- Magenta (82%)
- Yellow (0%)
- Black (6%)



- Cyan (84%)
- Magenta (84%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the YUV color 64.4580, 86.0492, -19.6957 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 64.4580, 86.0492, -19.6957 by changing the saturation by 10% instead.

■ 64.4580, 86.0492,
-19.6957

■ 64.4580, 86.0492,
-19.6957

255.0000, 0.0000,
0.0000

■ 31.5710, 87.9655,
-27.6878

■ 121.3350, 65.8968,
4.0912

■ 20.6340, 79.0604,
-18.0960

■ 147.0510, 53.2189,
10.4793

■ 17.4420, 66.8301,
-15.2966

■ 172.1800, 40.8303,
17.3821

■ 14.3640, 55.0365,
-12.5972

■ 198.1840, 28.0103,
22.6406

■ 20.7920, 39.0495,
-18.2346

■ 223.8890, 15.3377,
27.2843

■ 13.8330, 30.1553,
-12.1315

■ 240.9120, 6.9454,

■ 8.1620, 21.1191,

12.3552

-7.1581

■ 4.4800, 12.0884,
-3.9290

■ 0.0000, 0.0000,
0.0000

■ 64.4580, 86.0492,
-19.6957

■ 64.4580, 86.0492,
-19.6957

■ 43.1940, 96.5324,
-22.0951

■ 85.7220, 75.5661,
-17.2962

■ 27.2460, 104.3947,
-23.8947

■ 106.9860, 65.0829,
-14.8967

■ 128.2500, 54.5998,
-12.4972

■ 149.5140, 44.1166,
-10.0978

■ 169.8920, 34.0702,
-7.7983

■ 191.1560, 23.5871,
-5.3988

■ 212.4200, 13.1039,
-2.9993

■ 233.6840, 2.6208,
-0.5999

■ 253.1760, -6.9888,
1.5996

Harmonies

Analogous

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



85.4220, 83.6020, -74.9151



64.4580, 86.0492, -19.6957



75.6910, 43.0433, 101.1260

Triad

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



64.4580, 86.0492, -19.6957



66.3250, -32.6982, 81.2760



74.6990, 9.5154, -65.5110

Complementary

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



64.4580, 86.0492, -19.6957



216.5420, -86.0492, 19.6957

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.



62.8090, -30.9648, -55.0835



64.4580, 86.0492, -19.6957



75.9190, -37.4281, 11.4720

Square

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



64.4580, 86.0492, -19.6957



62.1920, -30.6607, 127.8736



59.2870, -29.2285, -51.9947



86.9480, 48.8326, -76.2534

Rectangle

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



64.4580, 86.0492, -19.6957



77.5220, 12.5607, 124.9532



59.2870, -29.2285, -51.9947



70.4640, -4.1728, -61.7969

Sweetspot

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



64.4580, 86.0492, -19.6957



198.2960, 27.9551, -6.3986



180.0970, 29.0392, -121.1111



93.4460, 17.0351, -3.8991



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.



64.4580, 86.0492, -19.6957



31.7280, 110.0731, -25.1945



93.7600, 71.6033, 40.5525



109.3680, 5.2416, -1.1997



20.9760, 80.3708, -18.3960



6.3840, 24.4607, -5.5988

Inverse Universe

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



123.3610, 57.0100, 101.4154



107.0760, 72.9265, 129.7293



186.9410, -71.4559, -41.1673



112.9560, 3.4727, 6.1776



75.9920, 53.2479, 94.7230



23.1280, 16.2059, 28.8287

Previews

White Background



This preview shows how the YUV color 64.4580, 86.0492, -19.6957 looks on a white background.

Color Contrast Check

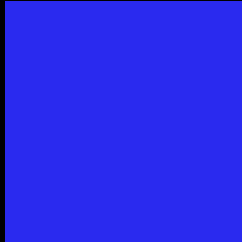
Large Text (above 18pt) WCAG AA ✓ Pass

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 64.4580, 86.0492, -19.6957 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 64.4580, 86.0492, -19.6957

Background



This preview shows how black text looks on a background with the YUV color 64.4580, 86.0492, -19.6957.



This preview shows how white text looks on a background with the YUV color 64.4580, 86.0492, -19.6957.

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

64.4580, 86.0492, -19.6957

Protanopia

64.4820, 49.0624, -56.5507

Deuteranopia

64.5670, 36.6955, -56.6253

Trichromacy



Original Color

64.4580, 86.0492, -19.6957

Protanomaly

64.4140, 62.4069, -43.3361

Deuteranomaly

64.3510, 54.5500, -43.2808

Monochromacy



Original Color

64.4580, 86.0492, -19.6957

Achromatopsia

64.0000, 0.0000, 0.0000

Achromatomaly

64.2080, 31.4495, -7.1984

CSS Examples

Text

The CSS property to change the color of the text to YUV 64.4580, 86.0492, -19.6957 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(42, 42, 239)` looks like.

```
.text, #text, p{  
    color:rgb(42, 42, 239)  
}
```

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(42, 42, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 42, 239) }
```

Border

The CSS property to change the border of an element to YUV 64.4580, 86.0492, -19.6957 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(42, 42, 239) }
```

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

```
.border{ border-color:rgb(42, 42, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 42, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 42, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 42, 239);  
box-shadow:4px 4px 4px 4px rgb(42, 42,  
239) }
```


Background

The CSS property to change the background color of an element to YUV 64.4580, 86.0492, -19.6957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 42, 239) }
```

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

```
.background{ background-color: rgb(42, 42,  
239) }
```

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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