

Converting Colors

YUV(84.4220, 84.0950, 0.5069)

Have a look what the booklet for
YUV(84.4220, 84.0950, 0.5069)
contains.

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Color

**YUV(84.4220, 84.0950,
0.5069)**

Conversions

Conversions Part 1

Format	Color
Hex	5533FF
RGB	85, 51, 255
RGB Percent	33%, 20%, 100%
CMY	0.6667, 0.8000, 0.0000
CMYK	0.67, 0.80, 0.00, 0.00
HSL	250°, 100%, 60%
HSV	250°, 80%, 100%
XYZ	22.9801, 11.5189, 95.6199
YIQ	84.4220, -45.2200, 70.6520

Conversions

Conversions Part 2

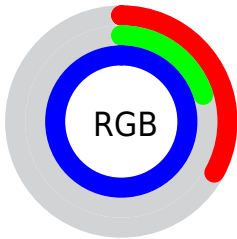
Format	Color
<code>RYB</code>	<code>85, 51, 255</code>
Decimal	<code>5583871</code>
CIELab	<code>40.44, 68.21, -94.21</code>
CIELCh	<code>40, 116.311, 305.903</code>
Yxy	<code>11.5189, 0.1766, 0.0885</code>
Android (<code>android.graphics.Color</code>)	<code>4283773951 (0xFF5533FF)</code>
YUV	<code>84.4220, 84.0950, 0.5069</code>
Hunter-Lab	<code>33.9396, 61.4663, -143.2835</code>

Details

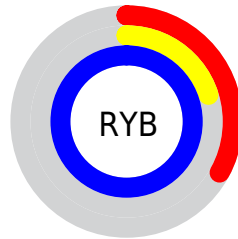
The YUV color **84.4220, 84.0950, 0.5069** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **221.5780, -84.0950, -0.5069**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **136.4630, 58.4387, 16.2569**, and **22.4580, 86.0492, -19.6957** is the 20% darker color. If you saturate the color by 10%, you get **62.8810, 94.7147, 0.9814**, and if you desaturate by 10%, it is **105.9630, 73.4752, 0.0324**.

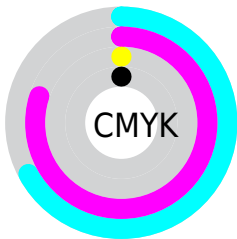
Distribution



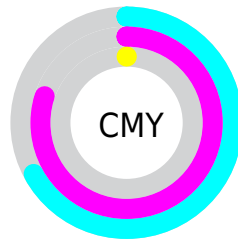
- Red (33%)
- Green (20%)
- Blue (100%)



- Red (33%)
- Yellow (20%)
- Blue (100%)



- Cyan (67%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YUV color 84.4220, 84.0950, 0.5069 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 84.4220, 84.0950, 0.5069 by changing the saturation by 10% instead.

■ 84.4220, 84.0950,
0.5069

■ 84.4220, 84.0950,
0.5069

■ 255.0000, 0.0000,
0.0000

■ 49.6270, 86.4589,
-11.0739

■ 136.4630, 58.4387,
16.2569

■ 22.4580, 86.0492,
-19.6957

■ 161.8800, 45.9082,
22.0302

■ 19.1520, 73.3821,
-16.7963

■ 187.2970, 33.3776,
27.8035

■ 16.0740, 61.5885,
-14.0969

■ 213.3010, 20.5576,
33.0620

■ 13.5830, 49.5056,
-11.9123

■ 231.5200, 11.5756,
20.5920

■ 17.6630, 34.6761,
-15.4905

■ 248.5430, 3.1833,

■ 11.4050, 25.9293,

5.6628

-10.0022

■ 6.4350, 17.0405,
-5.6435

■ 2.7530, 8.0098,
-2.4144

■ 84.4220, 84.0950,
0.5069

■ 84.4220, 84.0950,
0.5069

■ 62.8810, 94.7147,
0.9814

■ 105.9630, 73.4752,
0.0324

■ 41.9270, 105.0450,
0.9410

■ 127.2160, 62.9975,
0.6876

■ 148.7570, 52.3778,
0.2131

■ 169.7110, 42.0475,
0.2535

■ 191.2520, 31.4278,
-0.2210

■ 212.5050, 20.9500,
0.4341

■ 234.0460, 10.3303,
-0.0403

255.0000, 0.0000,
0.0000

Harmonies

Analogous

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



91.8790, 80.4187, -80.5779



84.4220, 84.0950, 0.5069



83.6370, 45.0420, 113.4514

Triad

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



84.4220, 84.0950, 0.5069



82.8490, -40.8446, 80.8164



86.8440, 12.8949, -76.1622

Complementary

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



84.4220, 84.0950, 0.5069



221.5780, -84.0950, -0.5069

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.



72.2010, -35.5951, -63.3203



84.4220, 84.0950, 0.5069



88.0130, -43.3904, 10.5126

Square

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



84.4220, 84.0950, 0.5069



67.8730, -33.4614, 139.5544



68.6790, -33.8587, -60.2315



98.8480, 53.8119, -86.6897

Rectangle

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



84.4220, 84.0950, 0.5069



85.2400, 13.6857, 137.4785



68.6790, -33.8587, -60.2315



82.3810, -1.6668, -72.2481

Sweetspot

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



84.4220, 84.0950, 0.5069



203.9440, 25.1706, 0.0491



174.0460, 39.9103, -107.9113



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.



84.4220, 84.0950, 0.5069



50.1890, 100.9718, 0.7112



114.9200, 69.0594, 63.2142



117.0800, 5.3836, -0.0702



31.3420, 78.7114, 0.5771



10.5850, 26.3336, 0.3640

Inverse Universe

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



131.3760, 44.1846, 108.4182



106.5110, 52.9921, 130.2249



191.0800, -69.0594, -63.2142



120.0270, 2.4517, 6.9923



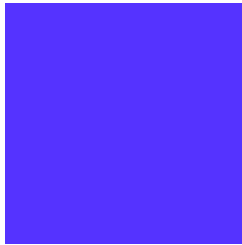
75.2350, 41.2961, 101.5259



25.1780, 13.7162, 34.0469

Previews

White Background



This preview shows how the YUV color 84.4220, 84.0950, 0.5069 looks on a white background.

Color Contrast Check

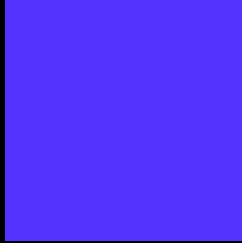
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 84.4220, 84.0950, 0.5069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 84.4220, 84.0950, 0.5069

Background



This preview shows how black text looks on a background with the YUV color 84.4220, 84.0950, 0.5069.



This preview shows how white text looks on a background with the YUV color 84.4220, 84.0950,

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

84.4220, 84.0950, 0.5069

Protanopia

75.3050, 57.5306, -66.0425

Deuteranopia

75.5210, 43.1271, -66.2319



Tritanopia

74.4030, 18.5353, -65.2514

Trichromacy



Original Color

84.4220, 84.0950, 0.5069

Protanomaly

78.3910, 67.3482, -41.5619

Deuteranomaly

78.5730, 57.8915, -41.7215

Tritanomaly

77.8600, 42.4670, -41.0962

Monochromacy



Original Color

84.4220, 84.0950, 0.5069

Achromatopsia

84.0000, 0.0000, 0.0000

Achromatomaly

84.0240, 30.5542, -0.0210

CSS Examples

Text

The CSS property to change the color of the text to YUV 84.4220, 84.0950, 0.5069 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(85, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 51, 255)  
}
```

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(85, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 51, 255) }
```

Border

The CSS property to change the border of an element to YUV 84.4220, 84.0950, 0.5069 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(85, 51, 255) }
```


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

```
.border{ border-color:rgb(85, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 51,  
255) }
```

Background

The CSS property to change the background color of an element to YUV 84.4220, 84.0950, 0.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 51, 255) }
```

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

```
.background{ background-color: rgb(85, 51,  
255) }
```

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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