

# Converting Colors

YUV(53.7800, 20.8145, 44.0429)

Have a look what the booklet for  
YUV(53.7800, 20.8145, 44.0429)  
contains.

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# Color

**YUV(53.7800, 20.8145,  
44.0429)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	681460
RGB	104, 20, 96
RGB Percent	41%, 8%, 38%
CMY	0.5922, 0.9216, 0.6235
CMYK	0.00, 0.81, 0.08, 0.59
HSL	306°, 68%, 24%
HSV	306°, 81%, 41%
XYZ	8.0704, 4.2879, 11.4686
YIQ	53.7800, 25.6680, 41.4440

# Conversions

## Conversions Part 2

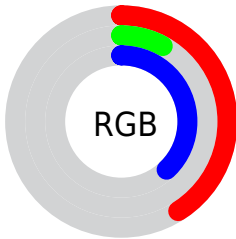
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 20, 96
Decimal	6820960
CIELab	24.60, 44.76, -24.45
CIElCh	25, 51.001, 331.353
Yxy	4.2879, 0.3387, 0.1800
Android (android.graphics.Color)	4285011040 (0xFF681460)
YUV	53.7800, 20.8145, 44.0429
Hunter-Lab	20.7072, 33.3306, -18.3425

# Details

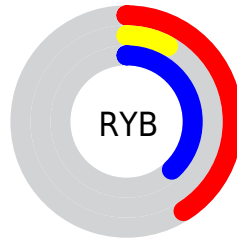
The YUV color **53.7800, 20.8145, 44.0429** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **70.2200, -20.8145, -44.0429**, and the grayscale version is **54.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **107.4380, 19.5041, 44.3429**, and **21.4330, 13.5905, 27.6843** is the 20% darker color. If you saturate the color by 10%, you get **47.7960, 23.2716, 49.2909**, and if you desaturate by 10%, it is **59.7640, 18.3573, 38.7950**.

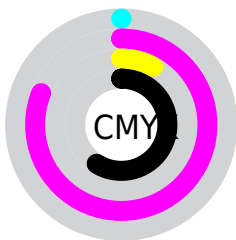
# Distribution



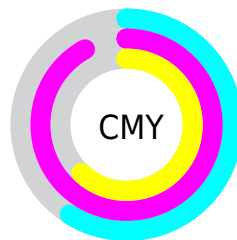
- Red (41%)
- Green (8%)
- Blue (38%)



- Red (41%)
- Yellow (8%)
- Blue (38%)



- Cyan (0%)
- Magenta (81%)
- Yellow (8%)
- Black (59%)



- Cyan (59%)
- Magenta (92%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 53.7800, 20.8145, 44.0429 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 53.7800, 20.8145, 44.0429 by changing the saturation by 10% instead.



■ 53.7800, 20.8145,  
44.0429

■ 53.7800, 20.8145,  
44.0429

255.0000, 0.0000,  
0.0000

■ 31.5300, 19.9517,  
40.7542

■ 107.4380, 19.5041,  
44.3429

■ 21.4330, 13.5905,  
27.6843

■ 134.1500, 19.6460,  
45.4724

■ 11.5640, 8.1029,  
14.4144

■ 160.8620, 19.7880,  
46.6020

■ 0.0000, 0.0000,  
0.0000

■ 188.5740, 19.9300,  
47.7316

■ 211.5620, 21.4149,  
38.0951

■ 227.9980, 13.3120,

23.6808

245.0210, 4.9196,  
8.7516

53.7800, 20.8145,  
44.0429

53.7800, 20.8145,  
44.0429

47.7960, 23.2716,  
49.2909

59.7640, 18.3573,  
38.7950

41.8120, 25.7287,  
54.5389

66.3350, 15.6108,  
33.0322

72.3190, 13.1537,  
27.7842

78.8900, 10.4072,  
22.0215

84.8740, 7.9501,  
16.7735

■ 90.8580, 5.4930,  
11.5255

■ 97.4290, 2.7465,  
5.7628

■ 103.4130, 0.2894,  
0.5148

■ 109.9840, -2.4571,  
-5.2480

# Harmonies

## Analogous

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



57.9850, 33.0384, -3.4948



53.7800, 20.8145, 44.0429



43.3890, 7.2032, 69.8188

# Triad

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



53.7800, 20.8145, 44.0429



55.2750, -27.2506, 13.7908



54.6100, 21.3913, -47.8930

# Complementary

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



53.7800, 20.8145, 44.0429



70.2200, -20.8145, -44.0429

# 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.



50.1640, 4.3561, -43.9938



53.7800, 20.8145, 44.0429



48.8970, -24.1062, -14.8187

# Square

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



53.7800, 20.8145, 44.0429



54.2660, -26.7531, 40.9857



44.2020, -13.4106, -38.7652



56.0410, 34.4898, -49.1480



# Rectangle

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



53.7800, 20.8145, 44.0429



40.2400, -3.5693, 71.7035



44.2020, -13.4106, -38.7652



53.2420, 16.1497, -46.6932

# Sweetspot

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



53.7800, 20.8145, 44.0429



115.8740, 7.9501, 16.7735



31.6690, 35.6592, -4.0947



57.0320, 4.9142, 10.4959



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



53.7800, 20.8145, 44.0429



56.7350, 32.6686, 68.6384



49.1060, 2.9057, 48.1420



48.0650, 1.4470, 2.5740



46.2410, 28.4752, 60.3016



97.3240, 59.9863, 126.8809



# Inverse Universe

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



53.7800, 20.8145, 44.0429



56.7350, 32.6686, 68.6384



74.8940, -2.9057, -48.1420



48.0650, 1.4470, 2.5740



46.2410, 28.4752, 60.3016

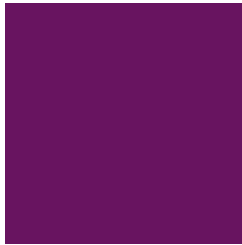


97.3240, 59.9863, 126.8809



# Previews

## White Background



This preview shows how the YUV color 53.7800, 20.8145, 44.0429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

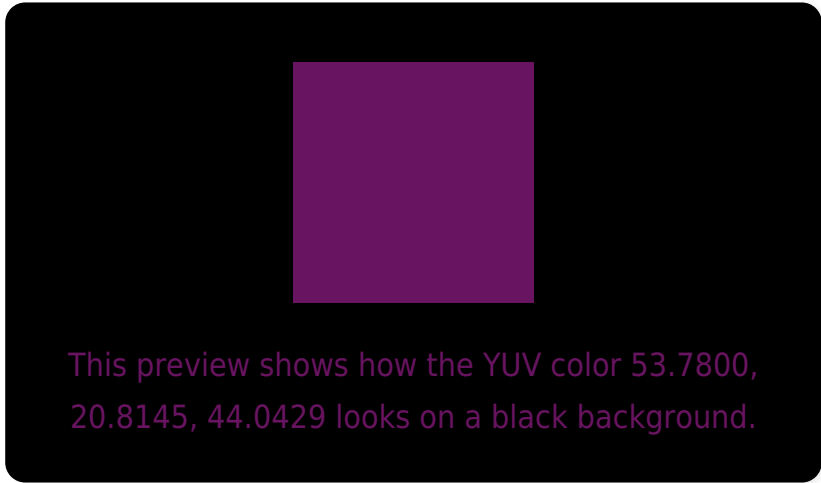
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

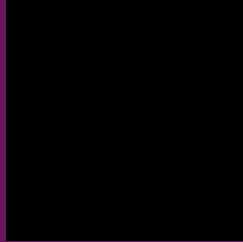
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 53.7800, 20.8145, 44.0429

## Background



This preview shows how black text looks on a background with the YUV color 53.7800, 20.8145, 44.0429.



This preview shows how white text looks on a background with the YUV color 53.7800, 20.8145,



# 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

53.7800, 20.8145, 44.0429

### Protanopia

48.1820, 37.3783, -42.2556

### Deuteranopia

59.3480, 15.6044, -11.7062



## Tritanopia

58.6840, -7.2392, 35.3571

# Trichromacy



## Original Color

53.7800, 20.8145, 44.0429

## Protanomaly

50.1860, 31.4603, -10.6871

## Deuteranomaly

57.0500, 17.7233, 8.7262

## Tritanomaly

56.7520, 3.0803, 38.8055

# Monochromacy



## Original Color

53.7800, 20.8145, 44.0429

## Achromatopsia

54.0000, 0.0000, 0.0000

## Achromatomaly

54.0480, 7.3713, 15.7439

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 53.7800, 20.8145, 44.0429 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(104, 20, 96)` looks like.

```
.text, #text, p{  
    color:rgb(104, 20, 96)  
}
```

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(104, 20, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 20, 96) }
```

## Border

The CSS property to change the border of an element to YUV 53.7800, 20.8145, 44.0429 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(104, 20, 96) }
```



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

```
.border{ border-color:rgb(104, 20, 96) }
```

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

Here you see how a box with a 4 pixel rgb(104, 20, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 20, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 20, 96);  
box-shadow:4px 4px 4px 4px rgb(104, 20,  
96) }
```

# Background

The CSS property to change the background color of an element to YUV 53.7800, 20.8145, 44.0429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 20, 96) }
```

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

```
.background{ background-color: rgb(104, 20,  
96) }
```

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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