

Converting Colors

YUV(68.5100, 43.6256, 7.4457)

Have a look what the booklet for
YUV(68.5100, 43.6256, 7.4457)
contains.

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Color

**YUV(68.5100, 43.6256,
7.4457)**

Conversions

Conversions Part 1

Format	Color
Hex	4D2F9D
RGB	77, 47, 157
RGB Percent	30%, 18%, 62%
CMY	0.6980, 0.8157, 0.3843
CMYK	0.51, 0.70, 0.00, 0.38
HSL	256°, 54%, 40%
HSV	256°, 70%, 62%
XYZ	10.1629, 6.0451, 32.5295
YIQ	68.5100, -17.4300, 40.5700

Conversions

Conversions Part 2

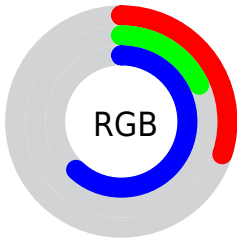
Format	Color
R_{YB}	77, 47, 157
Decimal	5058461
CIE _{Lab}	29.53, 41.08, -55.21
CIE _{LCh}	30, 68.818, 306.656
Yxy	6.0451, 0.2085, 0.1240
Android (android.graphics.Color)	4283248541 (0xFF4D2F9D)
YUV	68.5100, 43.6256, 7.4457
Hunter-Lab	24.5869, 30.7553, -61.2325

Details

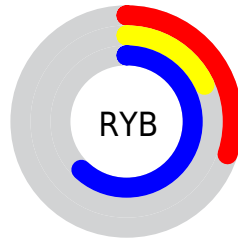
The YUV color **68.5100, 43.6256, 7.4457** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **135.4900, -43.6256, -7.4457**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **119.8140, 45.9407, 11.5641**, and **14.2480, 44.2477, -5.4795** is the 20% darker color. If you saturate the color by 10%, you get **55.8290, 49.8773, 8.9200**, and if you desaturate by 10%, it is **81.1910, 37.3738, 5.9715**.

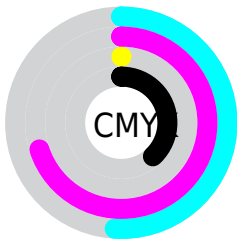
Distribution



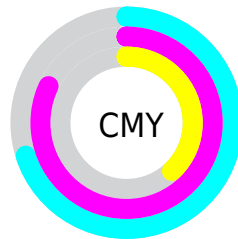
- Red (30%)
- Green (18%)
- Blue (62%)



- Red (30%)
- Yellow (18%)
- Blue (62%)



- Cyan (51%)
- Magenta (70%)
- Yellow (0%)
- Black (38%)



- Cyan (70%)
- Magenta (82%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YUV color 68.5100, 43.6256, 7.4457 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 68.5100, 43.6256, 7.4457 by changing the saturation by 10% instead.

68.5100, 43.6256,
7.4457

68.5100, 43.6256,
7.4457

255.0000, 0.0000,
0.0000

42.6730, 43.0522,
4.6718

119.8140, 45.9407,
11.5641

14.2480, 44.2477,
-5.4795

146.6400, 46.5195,
12.5937

9.1200, 34.9438,
-7.9982

172.1690, 40.8357,
15.6378

9.3190, 23.0137,
-8.1728

196.6890, 28.7473,
19.5667

4.9360, 13.8356,
-4.3289

222.0950, 16.2222,
23.5957

0.6840, 2.6208,
-0.5999

240.3250, 7.2348,

0.0000, 0.0000,

12.8700

0.0000

■ 68.5100, 43.6256,
7.4457

■ 68.5100, 43.6256,
7.4457

■ 55.8290, 49.8773,
8.9200

■ 81.1910, 37.3738,
5.9715

■ 43.4360, 55.9871,
9.2646

■ 93.5840, 31.2641,
5.6268

■ 30.7550, 62.2388,
10.7389

■ 106.2650, 25.0124,
4.1526

■ 119.2450, 18.6132,
3.2931

■ 131.9260, 12.3615,
1.8189

■ 144.3190, 6.2517,
1.4742

■ 157.0000, 0.0000,
0.0000

■ 169.6810, -6.2517,
-1.4742

■ 182.0740,
-12.3615, -1.8189

Harmonies

Analogous

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



63.7300, 56.3351, -55.8912



68.5100, 43.6256, 7.4457



54.4430, 28.8686, 74.1565

Triad

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



68.5100, 43.6256, 7.4457



64.0450, -31.5742, 47.3185



62.0640, 9.3354, -54.4301

Complementary

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



68.5100, 43.6256, 7.4457



135.4900, -43.6256, -7.4457

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.



54.1640, -15.8569, -47.5018



68.5100, 43.6256, 7.4457



64.9880, -32.0391, 9.6575

Square

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



68.5100, 43.6256, 7.4457



44.8220, -19.6322, 90.4871



48.7210, -24.0195, -42.7283



67.9920, 32.0489, -59.6290

Rectangle

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



68.5100, 43.6256, 7.4457



55.2370, 11.2222, 87.4922



48.7210, -24.0195, -42.7283



59.3110, 1.3257, -52.0157

Sweetspot

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



68.5100, 43.6256, 7.4457



169.4900, 17.0134, 3.0783



107.0870, 24.6071, -52.6963



81.6440, 10.0355, 1.1892



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000

Same Dimension

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



68.5100, 43.6256, 7.4457



66.2480, 67.9117, 11.1835



84.6560, 35.6656, 40.6437



72.5100, 3.1996, 0.4297



27.9630, 56.7132, 9.6794



2.9060, 5.9623, 0.9594

Inverse Universe

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



89.0100, 18.7291, 59.6272



98.2650, 28.9564, 92.7296



119.3440, -35.6656, -40.6437



74.0760, 1.4415, 4.3183



54.6130, 24.3478, 77.5154



5.7390, 2.5937, 8.1219

Previews

White Background



This preview shows how the YUV color 68.5100, 43.6256, 7.4457 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 68.5100, 43.6256, 7.4457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

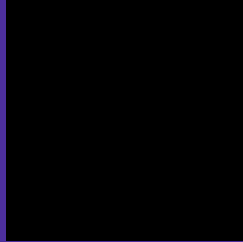
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 68.5100, 43.6256, 7.4457

Background



This preview shows how black text looks on a background with the YUV color 68.5100, 43.6256, 7.4457.



This preview shows how white text looks on a background with the YUV color 68.5100, 43.6256,

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

68.5100, 43.6256, 7.4457

Protanopia

55.5170, 42.6361, -48.6884

Deuteranopia

56.2860, 32.8900, -49.3628



Tritanopia

67.7040, 5.5689, -12.8954

Trichromacy



Original Color

68.5100, 43.6256, 7.4457

Protanomaly

60.3500, 42.7185, -28.3709

Deuteranomaly

60.7430, 36.6087, -28.7156

Tritanomaly

68.3040, 19.0771, -5.5286

Monochromacy



Original Color

68.5100, 43.6256, 7.4457

Achromatopsia

69.0000, 0.0000, 0.0000

Achromatomaly

68.8490, 15.8504, 2.7634

CSS Examples

Text

The CSS property to change the color of the text to YUV 68.5100, 43.6256, 7.4457 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(77, 47, 157)` looks like.

```
.text, #text, p{  
    color:rgb(77, 47, 157)  
}
```

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(77, 47, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 47, 157) }
```

Border

The CSS property to change the border of an element to YUV 68.5100, 43.6256, 7.4457 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(77, 47, 157) }
```


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

```
.border{ border-color:rgb(77, 47, 157) }
```

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

Here you see how a box with a 4 pixel rgb(77, 47, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 47, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 47, 157);  
box-shadow:4px 4px 4px 4px rgb(77, 47,  
157) }
```

Background

The CSS property to change the background color of an element to YUV 68.5100, 43.6256, 7.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 47, 157) }
```

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

```
.background{ background-color: rgb(77, 47,  
157) }
```

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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