

Converting Colors

YUV(87.7740, 56.8064, 26.5082)

Have a look what the booklet for
YUV(87.7740, 56.8064, 26.5082)
contains.

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Color

**YUV(87.7740, 56.8064,
26.5082)**

Conversions

Conversions Part 1

Format	Color
Hex	7632CB
RGB	118, 50, 203
RGB Percent	46%, 20%, 80%
CMY	0.5373, 0.8039, 0.2039
CMYK	0.42, 0.75, 0.00, 0.20
HSL	267°, 60%, 50%
HSV	267°, 75%, 80%
XYZ	19.3913, 10.4446, 57.4939
YIQ	87.7740, -8.5850, 61.9990

Conversions

Conversions Part 2

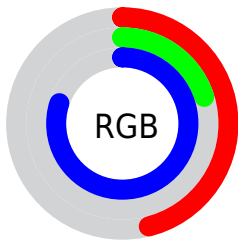
Format	Color
R_{YB}	118, 50, 203
Decimal	7746251
CIE _{Lab}	38.63, 58.88, -67.47
CIE _{LCh}	39, 89.545, 311.112
Yxy	10.4446, 0.2220, 0.1196
Android (android.graphics.Color)	4285936331 (0xFF7632CB)
YUV	87.7740, 56.8064, 26.5082
Hunter-Lab	32.3180, 50.5461, -82.8545

Details

The YUV color **87.7740, 56.8064, 26.5082** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **165.2260, -56.8064, -26.5082**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.1550, 55.6326, 29.6821**, and **34.2140, 56.0965, 20.8603** is the 20% darker color. If you saturate the color by 10%, you get **72.7450, 64.2157, 30.0416**, and if you desaturate by 10%, it is **102.8030, 49.3971, 22.9748**.

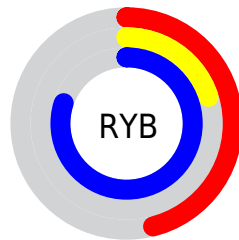
Distribution



Red (46%)

Green (20%)

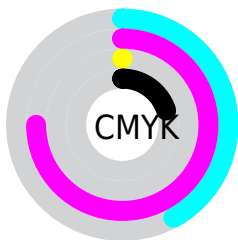
Blue (80%)



Red (46%)

Yellow (20%)

Blue (80%)

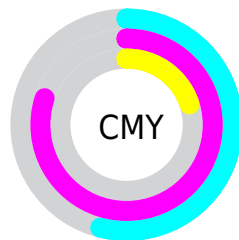


Cyan (42%)

Magenta (75%)

Yellow (0%)

Black (20%)



Cyan (54%)

Magenta (80%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.7740, 56.8064, 26.5082 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 87.7740, 56.8064, 26.5082 by changing the saturation by 10% instead.

87.7740, 56.8064,
26.5082

87.7740, 56.8064,
26.5082

255.0000, 0.0000,
0.0000

58.3010, 57.5326,
26.9230

142.1550, 55.6326,
29.6821

34.2140, 56.0965,
20.8603

166.9740, 43.3968,
34.2258

19.1760, 50.1992,
-1.0314

191.7930, 31.1611,
38.7695

10.8300, 41.4958,
-9.4979

213.9100, 20.2574,
36.0359

7.9800, 30.5759,
-6.9985

230.9330, 11.8650,
21.1068

7.7060, 19.3719,
-6.7582

247.9560, 3.4727,

3.4370, 10.6306,

6.1776

-3.0142

■ 0.0000, 0.0000,
0.0000

■ 87.7740, 56.8064,
26.5082

■ 87.7740, 56.8064,
26.5082

■ 72.7450, 64.2157,
30.0416

■ 102.8030, 49.3971,
22.9748

■ 56.8300, 72.0618,
33.4751

■ 118.7180, 41.5510,
19.5413

■ 50.0520, 75.4034,
35.0344

■ 133.7470, 34.1417,
16.0079

■ 148.7760, 26.7324,
12.4744

■ 164.3920, 19.0337,
8.4262

■ 179.7200, 11.4770,
5.5076

■ 194.7490, 4.0677,
1.9741

■ 209.7780, -3.3416,
-1.5593

■ 225.6930,
-11.1876, -4.9928

Harmonies

Analogous

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



82.3100, 76.7552, -72.1859



87.7740, 56.8064, 26.5082



73.0690, 32.9970, 103.4255

Triad

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



87.7740, 56.8064, 26.5082



84.7550, -41.7842, 55.4659



82.6040, 16.9572, -72.4437

Complementary

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



87.7740, 56.8064, 26.5082



165.2260, -56.8064, -26.5082

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.



71.9510, -16.2448, -63.1010



87.7740, 56.8064, 26.5082



82.9520, -40.8953, 3.5501

Square

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



87.7740, 56.8064, 26.5082



57.1090, -28.1547, 117.4224



64.5700, -31.8330, -56.6279



90.5840, 47.5331, -79.4422

Rectangle

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



87.7740, 56.8064, 26.5082



72.6800, 9.5248, 118.6756



64.5700, -31.8330, -56.6279



79.1670, 6.3267, -69.4295

Sweetspot

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



87.7740, 56.8064, 26.5082



210.5000, 21.9385, 10.0855



118.5110, 41.6531, -60.0841



100.8880, 13.3662, 6.2372



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.



87.7740, 56.8064, 26.5082



82.0170, 85.2806, 40.3271



110.1990, 45.7509, 72.6165



94.3360, 3.7784, 1.4593



41.0500, 61.6003, 28.8972



9.4150, 14.0924, 6.6520

Inverse Universe

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



105.4370, 14.5746, 85.5628



108.3620, 22.0065, 128.6015



142.8010, -45.7509, -72.6165



95.5600, 0.7099, 5.6479



60.1220, 15.7159, 92.8550



13.7560, 3.5713, 21.2620

Previews

White Background



This preview shows how the YUV color 87.7740, 56.8064, 26.5082 looks on a white background.

Color Contrast Check

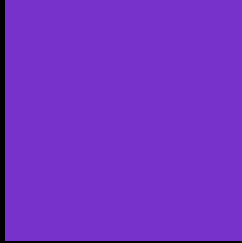
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.7740, 56.8064, 26.5082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

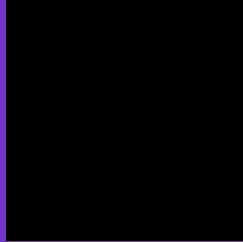
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.7740, 56.8064, 26.5082

Background



This preview shows how black text looks on a background with the YUV color 87.7740, 56.8064, 26.5082.



This preview shows how white text looks on a background with the YUV color 87.7740, 56.8064,

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

87.7740, 56.8064, 26.5082

Protanopia

72.8600, 55.7780, -63.8982

Deuteranopia

73.4180, 42.6849, -64.3876



Tritanopia

91.4070, 2.7573, 2.2741

Trichromacy



Original Color

87.7740, 56.8064, 26.5082



Protanomaly

78.1830, 56.1118, -30.8555



Deuteranomaly

78.7070, 47.9654, -31.3150



Tritanomaly

90.3260, 22.5173, 11.1151

Monochromacy



Original Color

87.7740, 56.8064, 26.5082



Achromatopsia

88.0000, 0.0000, 0.0000



Achromatomaly

87.8590, 20.7755, 9.7707

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.7740, 56.8064, 26.5082 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(118, 50, 203)` looks like.

```
.text, #text, p{  
    color:rgb(118, 50, 203)  
}
```

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(118, 50, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 50, 203) }
```

Border

The CSS property to change the border of an element to YUV 87.7740, 56.8064, 26.5082 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(118, 50, 203) }
```


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

```
.border{ border-color:rgb(118, 50, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 50, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 50, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 50, 203);  
box-shadow:4px 4px 4px 4px rgb(118, 50,  
203) }
```

Background

The CSS property to change the background color of an element to YUV 87.7740, 56.8064, 26.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 50, 203) }
```

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

```
.background{ background-color: rgb(118, 50,  
203) }
```

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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