

Converting Colors

YUV(85.5830, 56.4076, 14.3977)

Have a look what the booklet for
YUV(85.5830, 56.4076, 14.3977)
contains.

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Color

**YUV(85.5830, 56.4076,
14.3977)**

Conversions

Conversions Part 1

Format	Color
Hex	6637C8
RGB	102, 55, 200
RGB Percent	40%, 22%, 78%
CMY	0.6000, 0.7843, 0.2157
CMYK	0.49, 0.72, 0.00, 0.22
HSL	259°, 57%, 50%
HSV	259°, 72%, 78%
XYZ	17.2710, 9.7273, 55.6109
YIQ	85.5830, -18.5330, 55.0590

Conversions

Conversions Part 2

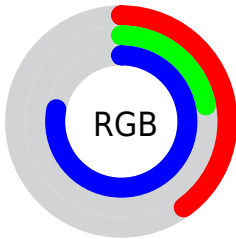
Format	Color
R_{YB}	102, 55, 200
Decimal	6698952
CIE _{Lab}	37.35, 53.25, -67.89
CIE _{LCh}	37, 86.282, 308.111
Yxy	9.7273, 0.2091, 0.1178
Android (android.graphics.Color)	4284889032 (0xFF6637C8)
YUV	85.5830, 56.4076, 14.3977
Hunter-Lab	31.1886, 44.2661, -83.8851

Details

The YUV color **85.5830, 56.4076, 14.3977** 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 **169.4170, -56.4076, -14.3977**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.4310, 56.9755, 18.9160**, and **27.5930, 57.8817, 8.2499** is the 20% darker color. If you saturate the color by 10%, you get **69.6570, 64.2591, 16.0868**, and if you desaturate by 10%, it is **101.5090, 48.5561, 12.7086**.

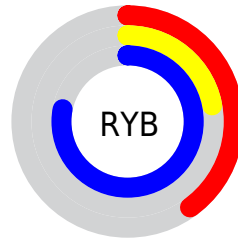
Distribution



Red (40%)

Green (22%)

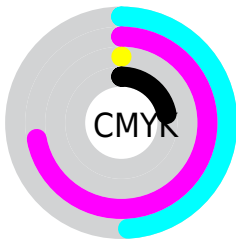
Blue (78%)



Red (40%)

Yellow (22%)

Blue (78%)

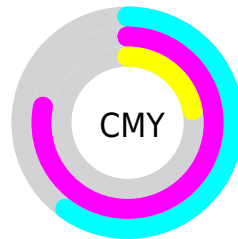


Cyan (49%)

Magenta (72%)

Yellow (0%)

Black (22%)



Cyan (60%)

Magenta (78%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YUV color 85.5830, 56.4076, 14.3977 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 85.5830, 56.4076, 14.3977 by changing the saturation by 10% instead.

■ 85.5830, 56.4076,
14.3977

■ 85.5830, 56.4076,
14.3977

■ 255.0000, 0.0000,
0.0000

■ 58.1590, 56.1236,
12.1386

■ 139.4310, 56.9755,
18.9160

■ 27.5930, 57.8817,
8.2499

■ 163.3640, 45.1765,
23.3598

■ 13.4520, 51.5422,
-11.7974

■ 188.1830, 32.9408,
27.9035

■ 10.6020, 40.6222,
-9.2980

■ 213.5890, 20.4156,
31.9324

■ 11.8610, 27.6765,
-10.4021

■ 231.5200, 11.5756,
20.5920

■ 6.8910, 18.7877,
-6.0434

■ 248.5430, 3.1833,

■ 3.2090, 9.7570,

5.6628

-2.8143

■ 0.0000, 0.0000,
0.0000

■ 85.5830, 56.4076,
14.3977

■ 85.5830, 56.4076,
14.3977

■ 69.6570, 64.2591,
16.0868

■ 101.5090, 48.5561,
12.7086

■ 54.0300, 71.9632,
18.3907

■ 117.1360, 40.8520,
10.4047

■ 42.2350, 77.7781,
19.9649

■ 133.0620, 33.0004,
8.7156

■ 148.6890, 25.2963,
6.4117

■ 164.6150, 17.4448,
4.7226

■ 180.2420, 9.7407,
2.4188

■ 196.1680, 1.8892,
0.7297

■ 211.7950, -5.8149,
-1.5742

■ 227.7210,
-13.6665, -3.2633

Harmonies

Analogous

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



80.8110, 73.5502, -70.8712



85.5830, 56.4076, 14.3977



69.8940, 35.0553, 96.5630

Triad

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



85.5830, 56.4076, 14.3977



81.2330, -40.0479, 58.5547



78.4150, 13.5994, -68.7700

Complementary

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



85.5830, 56.4076, 14.3977



169.4170, -56.4076, -14.3977

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.



68.4630, -19.4553, -60.0421



85.5830, 56.4076, 14.3977



81.2130, -40.0380, 8.5832

Square

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



85.5830, 56.4076, 14.3977



55.9130, -27.5651, 114.9633



61.6350, -30.3861, -54.0539



86.7540, 43.0123, -76.0833

Rectangle

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



85.5830, 56.4076, 14.3977



70.4450, 12.5986, 112.7427



61.6350, -30.3861, -54.0539



75.5650, 2.6795, -66.2705

Sweetspot

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



85.5830, 56.4076, 14.3977



210.7660, 21.8074, 5.4672



129.6430, 34.6860, -65.4619



101.1650, 13.2297, 3.3633



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.



85.5830, 56.4076, 14.3977



79.8360, 86.3559, 22.0688



106.8120, 45.9417, 58.0469



91.9230, 3.4890, 0.9445



34.4290, 63.3855, 16.2868



7.6920, 13.9558, 3.7781

Inverse Universe

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



109.5270, 21.4322, 79.3448



116.4780, 32.7953, 121.4838



148.1880, -45.9417, -58.0469



93.3750, 1.2941, 4.9331



61.2770, 24.0204, 89.2111



13.5000, 5.1765, 19.7325

Previews

White Background



This preview shows how the YUV color 85.5830, 56.4076, 14.3977 looks on a white background.

Color Contrast Check

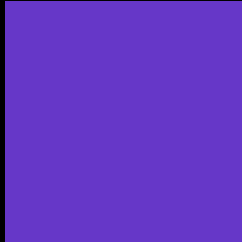
Large Text (above 18pt) WCAG AA ✓ Pass

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 85.5830, 56.4076, 14.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

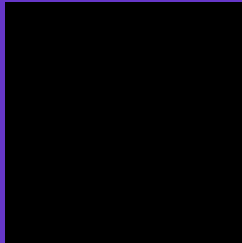
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 85.5830, 56.4076, 14.3977

Background



This preview shows how black text looks on a background with the YUV color 85.5830, 56.4076, 14.3977.



This preview shows how white text looks on a background with the YUV color 85.5830, 56.4076,

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

85.5830, 56.4076, 14.3977

Protanopia

70.3010, 53.5886, -61.6540

Deuteranopia

70.3860, 41.2217, -61.7285



Tritanopia

86.4160, 5.7109, -11.7658

Trichromacy



Original Color

85.5830, 56.4076, 14.3977

Protanomaly

75.8190, 54.8122, -34.0443

Deuteranomaly

75.7560, 46.9553, -33.9890

Tritanomaly

86.2920, 24.0130, -2.0101

Monochromacy



Original Color

85.5830, 56.4076, 14.3977

Achromatopsia

86.0000, 0.0000, 0.0000

Achromatomaly

86.0110, 20.2076, 5.2524

CSS Examples

Text

The CSS property to change the color of the text to YUV 85.5830, 56.4076, 14.3977 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(102, 55, 200)` looks like.

```
.text, #text, p{  
    color:rgb(102, 55, 200)  
}
```

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(102, 55, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 55, 200) }
```

Border

The CSS property to change the border of an element to YUV 85.5830, 56.4076, 14.3977 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(102, 55, 200) }
```


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

```
.border{ border-color:rgb(102, 55, 200) }
```

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

Here you see how a box with a 4 pixel rgb(102, 55, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 55, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 55, 200);  
box-shadow:4px 4px 4px 4px rgb(102, 55,  
200) }
```

Background

The CSS property to change the background color of an element to YUV 85.5830, 56.4076, 14.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 55, 200) }
```

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

```
.background{ background-color: rgb(102, 55,  
200) }
```

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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