

Converting Colors

YUV(68.1760, 53.6502, 12.1236)

Have a look what the booklet for
YUV(68.1760, 53.6502, 12.1236)
contains.

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Color

**YUV(68.1760, 53.6502,
12.1236)**

Conversions

Conversions Part 1

Format	Color
Hex	5228B1
RGB	82, 40, 177
RGB Percent	32%, 16%, 69%
CMY	0.6784, 0.8431, 0.3059
CMYK	0.54, 0.77, 0.00, 0.31
HSL	258°, 63%, 43%
HSV	258°, 77%, 69%
XYZ	12.1743, 6.4857, 42.2052
YIQ	68.1760, -18.9450, 51.5110

Conversions

Conversions Part 2

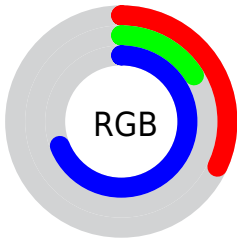
Format	Color
R _Y B	82, 40, 177
Decimal	5384369
CIE Lab	30.61, 51.15, -65.47
CIE LCh	31, 83.083, 308.001
Yxy	6.4857, 0.2000, 0.1066
Android (android.graphics.Color)	4283574449 (0xFF5228B1)
YUV	68.1760, 53.6502, 12.1236
Hunter-Lab	25.4671, 40.7625, -80.4309

Details

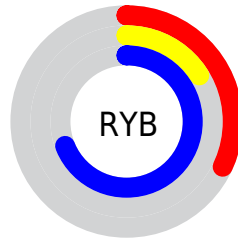
The YUV color **68.1760, 53.6502, 12.1236** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **148.8240, -53.6502, -12.1236**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **121.6650, 55.3812, 16.9568**, and **14.3210, 53.5787, -11.6825** is the 20% darker color. If you saturate the color by 10%, you get **54.0220, 60.6282, 14.0127**, and if you desaturate by 10%, it is **82.3300, 46.6723, 10.2346**.

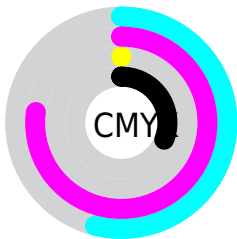
Distribution



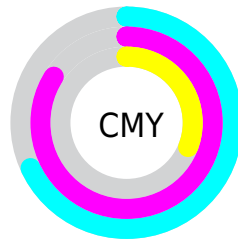
- Red (32%)
- Green (16%)
- Blue (69%)



- Red (32%)
- Yellow (16%)
- Blue (69%)



- Cyan (54%)
- Magenta (77%)
- Yellow (0%)
- Black (31%)



- Cyan (68%)
- Magenta (84%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the YUV color 68.1760, 53.6502, 12.1236 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 68.1760, 53.6502, 12.1236 by changing the saturation by 10% instead.

■ 68.1760, 53.6502,
12.1236

■ 68.1760, 53.6502,
12.1236

■ 255.0000, 0.0000,
0.0000

■ 39.0940, 54.6767,
9.5646

■ 121.6650, 55.3812,
16.9568

■ 14.3210, 53.5787,
-11.6825

■ 147.9920, 52.7549,
19.3010

■ 11.0580, 42.3694,
-9.6979

■ 172.5120, 40.6666,
23.2300

■ 8.2080, 31.4495,
-7.1984

■ 197.3310, 28.4308,
27.7737

■ 7.9340, 20.2455,
-6.9581

■ 221.5410, 16.4953,
29.3435

■ 3.6650, 11.5042,
-3.2142

■ 237.9770, 8.3923,

■ 0.0000, 0.0000,

14.9292

0.0000

■ 68.1760, 53.6502,
12.1236

■ 68.1760, 53.6502,
12.1236

■ 54.0220, 60.6282,
14.0127

■ 82.3300, 46.6723,
10.2346

■ 40.1560, 67.4641,
14.7722

■ 96.1960, 39.8364,
9.4751

■ 36.3240, 69.3533,
15.5019

■ 110.3500, 32.8585,
7.5861

■ 124.5040, 25.8805,
5.6970

■ 138.6580, 18.9026,
3.8079

■ 152.5240, 12.0667,
3.0485

■ 166.6780, 5.0887,
1.1594

■ 180.8320, -1.8892,
-0.7297

■ 194.3990, -8.5777,
-2.1039

Harmonies

Analogous

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



69.1560, 66.9711, -60.6498



68.1760, 53.6502, 12.1236



60.8510, 30.1465, 84.3227

Triad

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



68.1760, 53.6502, 12.1236



65.8500, -32.4641, 52.7516



65.9110, 11.3829, -57.8039

Complementary

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



68.1760, 53.6502, 12.1236



148.8240, -53.6502, -12.1236

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.



56.3010, -20.3614, -49.3760



68.1760, 53.6502, 12.1236



66.4390, -32.7544, 5.7540

Square

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



68.1760, 53.6502, 12.1236



48.7370, -24.0273, 100.2087



51.6560, -25.4664, -45.3023



73.6800, 38.6118, -64.6174

Rectangle

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



68.1760, 53.6502, 12.1236



61.1460, 9.2950, 98.9730



51.6560, -25.4664, -45.3023



62.7020, 1.6259, -54.9897

Sweetspot

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



68.1760, 53.6502, 12.1236



187.8260, 20.7918, 4.5376



111.9700, 32.0598, -63.1177



89.3390, 12.6509, 2.3337



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000

Same Dimension

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



68.1760, 53.6502, 12.1236



59.8310, 83.8933, 18.5652



88.5080, 43.6266, 53.9285



81.9230, 3.4890, 0.9445



31.4950, 59.9020, 13.5979



5.3560, 10.1775, 2.3188

Inverse Universe

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



91.7930, 21.3011, 74.7265



96.8580, 33.1010, 116.7655



128.4920, -43.6266, -53.9285



83.4890, 1.7309, 4.8331



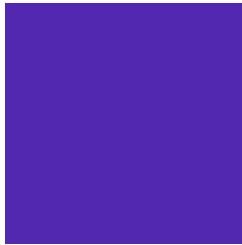
57.8310, 23.7473, 83.4632



9.8260, 4.0298, 14.1846

Previews

White Background



This preview shows how the YUV color 68.1760, 53.6502, 12.1236 looks on a white background.

Color Contrast Check

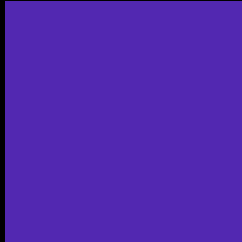
Large Text (above 18pt) WCAG AA ✓ Pass

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 68.1760, 53.6502, 12.1236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

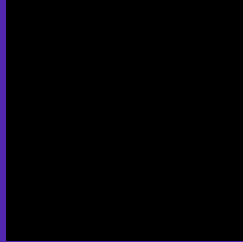
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 68.1760, 53.6502, 12.1236

Background



This preview shows how black text looks on a background with the YUV color 68.1760, 53.6502, 12.1236.



This preview shows how white text looks on a background with the YUV color 68.1760, 53.6502,

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

68.1760, 53.6502, 12.1236

Protanopia

57.8480, 43.9519, -50.7327

Deuteranopia

57.8020, 33.6216, -50.6924



Tritanopia

69.3230, 6.7428, -16.0693

Trichromacy



Original Color

68.1760, 53.6502, 12.1236

Protanomaly

61.6150, 47.5178, -27.7264

Deuteranomaly

61.8940, 40.9713, -27.9710

Tritanomaly

68.8570, 23.7345, -6.0136

Monochromacy



Original Color

68.1760, 53.6502, 12.1236

Achromatopsia

68.0000, 0.0000, 0.0000

Achromatomaly

68.1850, 19.6288, 4.2228

CSS Examples

Text

The CSS property to change the color of the text to YUV 68.1760, 53.6502, 12.1236 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(82, 40, 177)` looks like.

```
.text, #text, p{  
    color:rgb(82, 40, 177)  
}
```

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(82, 40, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 40, 177) }
```

Border

The CSS property to change the border of an element to YUV 68.1760, 53.6502, 12.1236 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(82, 40, 177) }
```


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

```
.border{ border-color:rgb(82, 40, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 40, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 40, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 40, 177);  
box-shadow:4px 4px 4px 4px rgb(82, 40,  
177) }
```

Background

The CSS property to change the background color of an element to YUV 68.1760, 53.6502, 12.1236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 40, 177) }
```

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

```
.background{ background-color: rgb(82, 40,  
177) }
```

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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