

Converting Colors

YUV(83.7820, -6.3015, -32.2578)

Have a look what the booklet for
YUV(83.7820, -6.3015, -32.2578)
contains.

YUV(83.7820, -6.3015, -32.2578)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(83.7820, -6.3015,
-32.2578)**

Conversions

Conversions Part 1

Format	Color
Hex	2F6947
RGB	47, 105, 71
RGB Percent	18%, 41%, 28%
CMY	0.8157, 0.5882, 0.7216
CMYK	0.55, 0.00, 0.32, 0.59
HSL	145°, 38%, 30%
HSV	145°, 55%, 41%
XYZ	7.3612, 11.1624, 7.7278
YIQ	83.7820, -23.6540, -22.8700

Conversions

Conversions Part 2

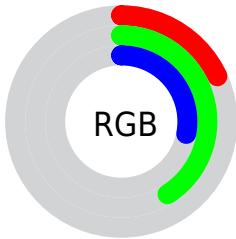
Format	Color
R_{YB}	47, 88, 105
Decimal	3107143
CIE _{Lab}	39.85, -27.62, 13.49
CIE _{LCh}	40, 30.736, 153.963
Yxy	11.1624, 0.2804, 0.4252
Android (android.graphics.Color)	4281297223 (0xFF2F6947)
YUV	83.7820, -6.3015, -32.2578
Hunter-Lab	33.4102, -19.1394, 9.6733

Details

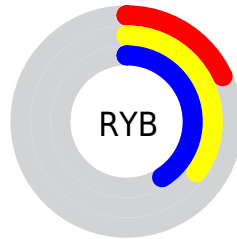
The YUV color **83.7820, -6.3015, -32.2578** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **68.2180, 6.3015, 32.2578**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.1410, -7.4645, -32.5727**, and **36.5370, -4.7017, -32.0429** is the 20% darker color. If you saturate the color by 10%, you get **80.1080, -7.4482, -37.8057**, and if you desaturate by 10%, it is **87.7550, -5.3022, -26.0951**.

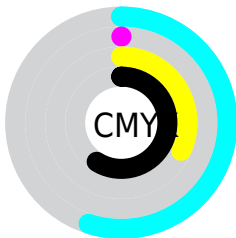
Distribution



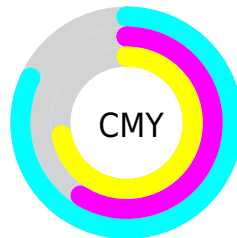
- Red (18%)
- Green (41%)
- Blue (28%)



- Red (18%)
- Yellow (35%)
- Blue (41%)



- Cyan (55%)
- Magenta (0%)
- Yellow (32%)
- Black (59%)



- Cyan (82%)
- Magenta (59%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the YUV color 83.7820, -6.3015, -32.2578 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 83.7820, -6.3015, -32.2578 by changing the saturation by 10% instead.

■ 83.7820, -6.3015,
-32.2578

■ 83.7820, -6.3015,
-32.2578

■ 255.0000, 0.0000,
0.0000

■ 58.4120, -5.1331,
-33.6873

■ 135.1410, -7.4645,
-32.5727

■ 36.5370, -4.7017,
-32.0429

■ 161.6140, -8.1907,
-32.9875

■ 21.3600, -9.5445,
-18.7327

■ 189.2010, -8.4801,
-33.5023

■ 0.0000, 0.0000,
0.0000

■ 216.7880, -8.7695,
-34.0171

■ 237.1570, -5.0074,
-27.3247

■ 249.0200, 2.9481,

-12.2955

■ 83.7820, -6.3015,
-32.2578

■ 83.7820, -6.3015,
-32.2578

■ 80.1080, -7.4482,
-37.8057

■ 87.7550, -5.3022,
-26.0951

■ 76.1350, -8.4476,
-43.9684

■ 91.4290, -4.1555,
-20.5472

■ 72.1620, -9.4469,
-50.1311

■ 95.4020, -3.1562,
-14.3846

■ 68.3740, -11.0304,
-55.5790

■ 99.1900, -1.5727,
-8.9366

■ 66.5370, -11.6037,
-58.3529

■ 103.1630, -0.5734,
-2.7740

■ 106.8370, 0.5734,
2.7740

■ 110.5110, 1.7201,
8.3219

■ 114.4840, 2.7194,
14.4845

■ 118.4570, 3.7187,
20.6472

Harmonies

Analogous

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



89.0210, -18.7444, -7.9114



83.7820, -6.3015, -32.2578



73.8670, 11.4046, -64.7814

Triad

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



83.7820, -6.3015, -32.2578



89.5230, 26.8572, -27.6457



93.8110, -13.2178, 39.6308

Complementary

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



83.7820, -6.3015, -32.2578



68.2180, 6.3015, 32.2578

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.



95.4980, -1.7245, 39.9053



83.7820, -6.3015, -32.2578



95.8860, 19.7762, 3.6080

Square

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



83.7820, -6.3015, -32.2578



75.6060, 30.7602, -66.3065



96.6950, 9.5174, 27.4545



93.4540, -21.9158, 29.4198

Rectangle

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



83.7820, -6.3015, -32.2578



75.6910, 18.3933, -66.3810



96.6950, 9.5174, 27.4545



94.7340, -9.7289, 40.5753

Sweetspot

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



83.7820, -6.3015, -32.2578



129.2280, -2.5774, -13.3550



91.5110, -21.9439, -8.3411



63.9020, -1.4307, -7.8071



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.



83.7820, -6.3015, -32.2578



104.6350, -10.1731, -50.5459



86.9740, 5.9288, -35.0572



51.7500, -0.8628, -3.2887



74.2650, -12.4556, -65.1304



155.3290, -26.7842, -136.2235

Inverse Universe

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



68.2180, 6.3015, 32.2578



80.2510, 9.7363, 50.6459



65.0260, -5.9288, 35.0572



50.1360, 0.4260, 3.3887



42.8490, 12.8924, 65.0304



89.6710, 26.7842, 136.2235

Previews

White Background



This preview shows how the YUV color 83.7820, -6.3015, -32.2578 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 83.7820, -6.3015, -32.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

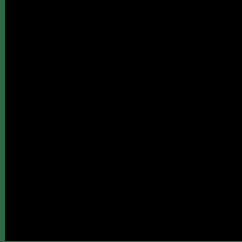
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 83.7820, -6.3015, -32.2578

Background



This preview shows how black text looks on a background with the YUV color 83.7820, -6.3015, -32.2578.



This preview shows how white text looks on a background with the YUV color 83.7820, -6.3015,

-32.2578.

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

83.7820, -6.3015, -32.2578

Protanopia

92.3140, -12.9728, 7.6176

Deuteranopia

93.8570, -9.7895, 13.2804



Tritanopia

88.3540, 9.6855, -26.6205

Trichromacy



Original Color

83.7820, -6.3015, -32.2578

Protanomaly

88.9100, -10.3086, -6.9371

Deuteranomaly

89.8010, -8.2829, -3.3335

Tritanomaly

86.8500, 4.0180, -28.8094

Monochromacy



Original Color

83.7820, -6.3015, -32.2578

Achromatopsia

84.0000, 0.0000, 0.0000

Achromatomaly

84.2390, -2.5828, -11.6106

CSS Examples

Text

The CSS property to change the color of the text to YUV 83.7820, -6.3015, -32.2578 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(47, 105, 71)` looks like.

```
.text, #text, p{  
    color:rgb(47, 105, 71)  
}
```

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(47, 105, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 105, 71) }
```

Border

The CSS property to change the border of an element to YUV 83.7820, -6.3015, -32.2578 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(47, 105, 71) }
```


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

```
.border{ border-color:rgb(47, 105, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 105, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 105, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 105, 71);  
box-shadow:4px 4px 4px 4px rgb(47, 105,  
71) }
```

Background

The CSS property to change the background color of an element to YUV 83.7820, -6.3015, -32.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 105, 71) }
```

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

```
.background{ background-color: rgb(47, 105,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor