

Converting Colors

YUV(87.5200, -2.2284, -32.0280)

Have a look what the booklet for
YUV(87.5200, -2.2284, -32.0280)
contains.

YUV(87.5200, -2.2284, -32.0280)	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(87.5200, -2.2284,
-32.0280)**

Conversions

Conversions Part 1

Format	Color
Hex	336B53
RGB	51, 107, 83
RGB Percent	20%, 42%, 33%
CMY	0.8000, 0.5804, 0.6745
CMYK	0.52, 0.00, 0.22, 0.58
HSL	154°, 35%, 31%
HSV	154°, 52%, 42%
XYZ	8.1843, 11.8437, 10.0383
YIQ	87.5200, -25.6720, -19.3360

Conversions

Conversions Part 2

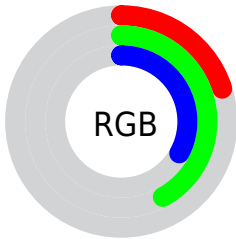
Format	Color
RYB	51, 87, 107
Decimal	3369811
CIELab	40.97, -24.75, 7.87
CIELCh	41, 25.974, 162.367
Yxy	11.8437, 0.2722, 0.3939
Android (android.graphics.Color)	4281559891 (0xFF336B53)
YUV	87.5200, -2.2284, -32.0280
Hunter-Lab	34.4147, -17.7761, 6.7962




Details

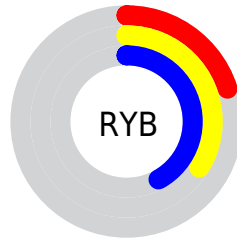
The YUV color **87.5200, -2.2284, -32.0280** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **70.4800, 2.2284, 32.0280**, and the grayscale version is **88.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **138.8790, -3.3913, -32.3429**, and **38.9650, -0.4757, -34.1723** is the 20% darker color. If you saturate the color by 10%, you get **83.6610, -2.7909, -38.2907**, and if you desaturate by 10%, it is **91.3790, -1.6658, -25.7654**.

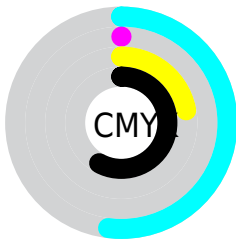
Distribution







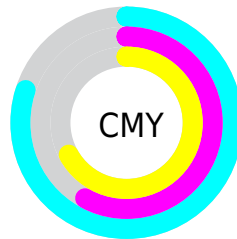
-  Red (20%)
-  Green (42%)
-  Blue (33%)






-  Red (20%)
-  Yellow (34%)
-  Blue (42%)



-  Cyan (52%)
-  Magenta (0%)
-  Yellow (22%)
-  Black (58%)



-  Cyan (80%)
-  Magenta (58%)
-  Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.5200, -2.2284, -32.0280 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 87.5200, -2.2284, -32.0280 by changing the saturation by 10% instead.

87.5200, -2.2284,
-32.0280

87.5200, -2.2284,
-32.0280

255.0000, 0.0000,
0.0000

62.4490, -1.2074,
-32.8428

138.8790, -3.3913,
-32.3429

38.9650, -0.4757,
-34.1723

165.5800, -3.2439,
-32.9577

23.7710, -2.8451,
-20.8472

193.1670, -3.5333,
-33.4725

4.1090, -2.0257,
-3.6036

220.7540, -3.8227,
-33.9873

0.0000, 0.0000,
0.0000

240.0630, 0.9549,
-26.3653

250.2160, 2.3585,

-9.8364

■ 87.5200, -2.2284,
-32.0280

■ 87.5200, -2.2284,
-32.0280

■ 83.6610, -2.7909,
-38.2907

■ 91.3790, -1.6658,
-25.7654

■ 80.2150, -3.0640,
-44.0386

■ 94.8250, -1.3927,
-20.0175

■ 76.3560, -3.6265,
-50.3012

■ 98.6840, -0.8302,
-13.7549

■ 72.6110, -3.7522,
-56.6638

■ 102.4290, -0.7045,
-7.3922

■ 69.7630, -4.3202,
-61.1822

■ 106.2880, -0.1420,
-1.1296

■ 109.8480, 0.5679,
4.5183

■ 113.5930, 0.6937,
10.8809

■ 117.4520, 1.2562,
17.1436

■ 120.8980, 1.5293,
22.8915

Harmonies

Analogous

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



91.6660, -13.6393, -11.9851



87.5200, -2.2284, -32.0280



80.1500, 12.2511, -56.2595

Triad

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



87.5200, -2.2284, -32.0280



96.0040, 20.7040, -14.0355



97.2400, -13.9223, 32.2385

Complementary

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



87.5200, -2.2284, -32.0280



70.4800, 2.2284, 32.0280

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.



98.2540, -5.0552, 34.8572



87.5200, -2.2284, -32.0280



99.1380, 14.2290, 9.5260

Square

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



87.5200, -2.2284, -32.0280



87.7510, 24.2798, -41.0006



99.5440, 5.1548, 26.7099



95.9800, -19.7101, 21.9425

Rectangle

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



87.5200, -2.2284, -32.0280



76.3750, 21.0141, -66.9809



99.5440, 5.1548, 26.7099



97.6470, -11.1650, 34.5126

Sweetspot

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



87.5200, -2.2284, -32.0280



132.3960, -0.6882, -12.6253



91.0480, -19.7437, -14.0741



66.5430, -0.2677, -7.4922



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000

Same Dimension

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



87.5200, -2.2284, -32.0280



109.3560, -3.6265, -50.3012



87.9080, 9.4124, -32.3683



51.8640, -0.4260, -3.3887



76.3170, -4.5933, -66.9300



159.7750, -9.7491, -140.1227

Inverse Universe

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



70.4800, 2.2284, 32.0280



82.6440, 3.6265, 50.3012



70.0920, -9.4124, 32.3683



50.0220, -0.0108, 3.4887



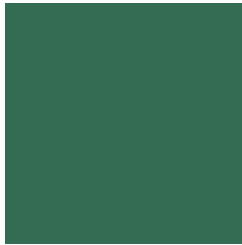
40.6830, 4.5933, 66.9300



85.2250, 9.7491, 140.1227

Previews

White Background



This preview shows how the YUV color 87.5200, -2.2284, -32.0280 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 87.5200, -2.2284, -32.0280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

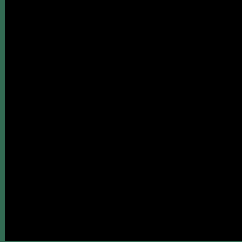
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.5200, -2.2284, -32.0280

Background



This preview shows how black text looks on a background with the YUV color 87.5200, -2.2284, -32.0280.



This preview shows how white text looks on a background with the YUV color 87.5200, -2.2284,

-32.0280.

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

87.5200, -2.2284, -32.0280

Protanopia

95.7420, -8.7468, 5.4883

Deuteranopia

96.9860, -5.4161, 10.5363



Tritanopia

90.8700, 10.4171, -27.9500

Trichromacy



Original Color

87.5200, -2.2284, -32.0280

Protanomaly

92.6370, -6.2300, -8.4516

Deuteranomaly

93.5280, -4.2043, -4.8481

Tritanomaly

89.3060, 5.7651, -29.2094

Monochromacy



Original Color

87.5200, -2.2284, -32.0280

Achromatopsia

88.0000, 0.0000, 0.0000

Achromatomaly

87.9940, -0.9830, -11.3957

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.5200, -2.2284, -32.0280 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(51, 107, 83)` looks like.

```
.text, #text, p{  
    color:rgb(51, 107, 83)  
}
```

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(51, 107, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 107, 83) }
```

Border

The CSS property to change the border of an element to YUV 87.5200, -2.2284, -32.0280 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(51, 107, 83) }
```


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

```
.border{ border-color:rgb(51, 107, 83) }
```

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

Here you see how a box with a 4 pixel rgb(51, 107, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 107, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 107, 83);  
box-shadow:4px 4px 4px 4px rgb(51, 107,  
83) }
```

Background

The CSS property to change the background color of an element to YUV 87.5200, -2.2284, -32.0280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 107, 83) }
```

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

```
.background{ background-color: rgb(51, 107,  
83) }
```

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