

Converting Colors

YUV(47.1270, 20.6434,
-41.3304)

Have a look what the booklet for
YUV(47.1270, 20.6434, -41.3304)
contains.

YUV(47.1270, 20.6434, -41.3304)	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>	30

Color

**YUV(47.1270, 20.6434,
-41.3304)**

Conversions

Conversions Part 1

Format	Color
Hex	003F59
RGB	0, 63, 89
RGB Percent	0%, 25%, 35%
CMY	1.0000, 0.7529, 0.6510
CMYK	1.00, 0.29, 0.00, 0.65
HSL	198°, 100%, 17%
HSV	198°, 100%, 35%
XYZ	3.5807, 4.2763, 10.0879
YIQ	47.1270, -45.8940, -5.2700

Conversions

Conversions Part 2

Format	Color
RYB	0, 37, 89
Decimal	16217
CIELab	24.56, -7.23, -20.56
CIELCh	25, 21.795, 250.619
Yxy	4.2763, 0.1995, 0.2383
Android (android.graphics.Color)	4278206297 (0xFF003F59)
YUV	47.1270, 20.6434, -41.3304
Hunter-Lab	20.6792, -5.2806, -14.4479

Details

The YUV color **47.1270, 20.6434, -41.3304** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **41.8730, -20.6434, 41.3304**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.1390, 19.1585, -31.6939**, and **17.2290, 12.7051, -15.1098** is the 20% darker color. If you saturate the color by 10%, you get **47.1270, 20.6434, -41.3304**, and if you desaturate by 10%, it is **51.5790, 18.4486, -37.3418**.

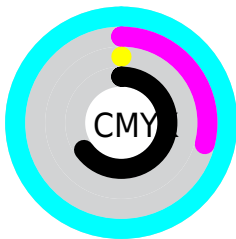
Distribution



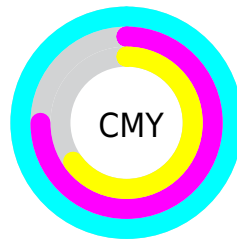
- Red (0%)
- Green (25%)
- Blue (35%)



- Red (0%)
- Yellow (15%)
- Blue (35%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (65%)



- Cyan (100%)
- Magenta (75%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YUV color 47.1270, 20.6434, -41.3304 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 47.1270, 20.6434, -41.3304 by changing the saturation by 10% instead.

47.1270, 20.6434,
-41.3304

47.1270, 20.6434,
-41.3304

255.0000, 0.0000,
0.0000

31.4770, 16.5268,
-27.6053

100.1390, 19.1585,
-31.6939

17.2290, 12.7051,
-15.1098

125.9650, 19.7373,
-30.6643

3.0950, 9.3202,
-2.7143

152.0790, 20.1741,
-30.7643

0.0000, 0.0000,
0.0000

179.1930, 20.6109,
-30.8643

207.1930, 20.6109,
-30.8643

232.6850, 11.0013,

-28.6647

■ 247.2260, 3.8326,
-15.9842

■ 47.1270, 20.6434,
-41.3304

■ 51.5790, 18.4486,
-37.3418

■ 55.4440, 16.5431,
-32.8384

■ 59.8960, 14.3483,
-28.8498

■ 63.7610, 12.4428,
-24.3464

■ 68.2130, 10.2480,
-20.3578

■ 72.3660, 8.2006,
-16.9840

■ 76.2310, 6.2951,
-12.4806

■ 80.6830, 4.1003,
-8.4920

■ 84.5480, 2.1948,
-3.9886

Harmonies

Analogous

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



47.7480, 15.4072, -41.8750



47.1270, 20.6434, -41.3304



56.8640, 16.3360, -13.0357

Triad

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



47.1270, 20.6434, -41.3304



59.3670, -3.1389, 26.8651



54.7850, -10.7400, -8.5814

Complementary

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



47.1270, 20.6434, -41.3304



41.8730, -20.6434, 41.3304

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.



56.3200, -15.4408, 5.8584



47.1270, 20.6434, -41.3304



58.5210, -10.1169, 24.9761

Square

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



47.1270, 20.6434, -41.3304



59.7990, 5.0291, 20.3473



57.7990, -15.1839, 16.8393



50.6780, -1.8133, -25.1506

Rectangle

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



47.1270, 20.6434, -41.3304



59.5560, 13.5299, 0.3894



57.7990, -15.1839, 16.8393



54.9490, -12.7929, -3.4633

Sweetspot

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



47.1270, 20.6434, -41.3304



98.6650, 8.0532, -16.3692



55.0930, -14.8358, -48.3166



48.6120, 5.1213, -9.3067



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000

Same Dimension

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



47.1270, 20.6434, -41.3304



60.6570, 26.7911, -53.1962



21.2990, 33.3766, -18.6792



41.2170, 0.8790, -1.9443



56.8100, 24.7437, -49.8224



124.2320, 54.6086, -108.9515

Inverse Universe

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



33.7930, 14.3991, 48.4165



43.6190, 18.4288, 62.6011



67.7010, -33.3766, 18.6792



40.5380, 0.7208, 2.1592



40.6570, 17.4241, 58.1828



89.1890, 37.8678, 127.8762

Previews

White Background



This preview shows how the YUV color 47.1270, 20.6434, -41.3304 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 47.1270, 20.6434, -41.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

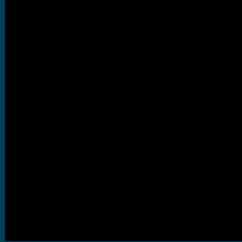
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 47.1270, 20.6434, -41.3304

Background



This preview shows how black text looks on a background with the YUV color 47.1270, 20.6434, -41.3304.



This preview shows how white text looks on a background with the YUV color 47.1270, 20.6434, -41.3304.

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



Protanopia

58.6860, 12.9728, -7.6176

Deuteranopia

57.7500, 15.8993, -12.9357

Tritanopia

46.1350, 11.7654, -40.4604

Trichromacy



Protanomaly

54.5920, 15.4841, -19.8132

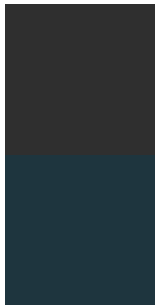
Deuteranomaly

53.5530, 17.9684, -23.2870

Tritanomaly

46.3460, 15.1124, -40.6454

Monochromacy



Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.1490, 7.3215, -15.0397

CSS Examples

Text

The CSS property to change the color of the text to YUV 47.1270, 20.6434, -41.3304 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(0, 63, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 63, 89)  
}
```

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(0, 63, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 89) }
```

Border

The CSS property to change the border of an element to YUV 47.1270, 20.6434, -41.3304 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(0, 63, 89) }
```

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

```
.border{ border-color:rgb(0, 63, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 63, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 89); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 63, 89); box-shadow:4px  
4px 4px 4px rgb(0, 63, 89) }
```


Background

The CSS property to change the background color of an element to YUV 47.1270, 20.6434, -41.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 63, 89) }
```

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

```
.background{ background-color: rgb(0, 63,  
89) }
```

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