

Converting Colors

YUV(40.0840, 19.6786, 35.0063)

Have a look what the booklet for
YUV(40.0840, 19.6786, 35.0063)
contains.

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Color

**YUV(40.0840, 19.6786,
35.0063)**

Conversions

Conversions Part 1

Format	Color
Hex	500C50
RGB	80, 12, 80
RGB Percent	31%, 5%, 31%
CMY	0.6863, 0.9529, 0.6863
CMYK	0.00, 0.85, 0.00, 0.69
HSL	300°, 74%, 18%
HSV	300°, 85%, 31%
XYZ	4.8877, 2.5476, 7.8235
YIQ	40.0840, 18.7000, 35.5640

Conversions

Conversions Part 2

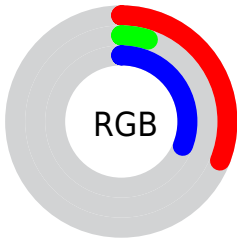
Format	Color
RYB	80, 12, 80
Decimal	5246032
CIELab	18.13, 38.81, -24.30
CIElCh	18, 45.789, 327.952
Yxy	2.5476, 0.3203, 0.1670
Android (android.graphics.Color)	4283436112 (0xFF500C50)
YUV	40.0840, 19.6786, 35.0063
Hunter-Lab	15.9612, 26.7288, -17.8887




Details

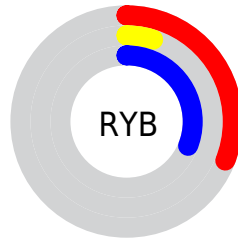
The YUV color **40.0840, 19.6786, 35.0063** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **51.9160, -19.6786, -35.0063**, and the grayscale version is **40.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **91.8560, 18.8050, 35.2063**, and **14.4550, 10.1287, 18.0180** is the 20% darker color. If you saturate the color by 10%, you get **35.3880, 21.9937, 39.1247**, and if you desaturate by 10%, it is **44.7800, 17.3635, 30.8879**.

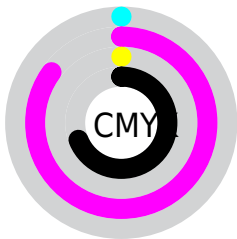
Distribution







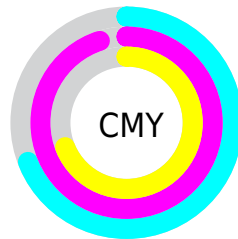
-  Red (31%)
-  Green (5%)
-  Blue (31%)






-  Red (31%)
-  Yellow (5%)
-  Blue (31%)



-  Cyan (0%)
-  Magenta (85%)
-  Yellow (0%)
-  Black (69%)



-  Cyan (69%)
-  Magenta (95%)
-  Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YUV color 40.0840, 19.6786, 35.0063 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 40.0840, 19.6786, 35.0063 by changing the saturation by 10% instead.

40.0840, 19.6786,
35.0063

40.0840, 19.6786,
35.0063

253.8260, 0.5788,
1.0296

22.9430, 16.7901,
28.1140

91.8560, 18.8050,
35.2063

14.4550, 10.1287,
18.0180

117.5680, 18.9470,
36.3359

1.0260, 3.9312,
-0.8998

143.9810, 19.2364,
36.8507

0.0000, 0.0000,
0.0000


171.1060, 19.6677,
38.4950


198.8180, 19.8097,
39.6246


220.3670, 17.0741,


30.3731


 236.8030, 8.9711,
15.9588


 40.0840, 19.6786,
35.0063


 40.0840, 19.6786,
35.0063


 35.3880, 21.9937,
39.1247

 44.7800, 17.3635,
30.8879

 33.0400, 23.1513,
41.1839

 49.4760, 15.0483,
26.7695

 54.1720, 12.7332,
22.6512

 58.8680, 10.4181,
18.5328

 63.5640, 8.1029,
14.4144

■ 68.2600, 5.7878,
10.2960

■ 72.9560, 3.4727,
6.1776

■ 77.6520, 1.1576,
2.0592

■ 82.3480, -1.1576,
-2.0592

Harmonies

Analogous

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



41.6590, 30.7341, -11.1019



40.0840, 19.6786, 35.0063



34.7740, 6.5204, 55.4492

Triad

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



40.0840, 19.6786, 35.0063



41.9960, -20.7040, 14.0355



42.5960, 15.9752, -37.3567

Complementary

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



40.0840, 19.6786, 35.0063



51.9160, -19.6786, -35.0063

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.



38.1330, 1.4134, -33.4426



40.0840, 19.6786, 35.0063



37.4120, -18.4441, -10.8853

Square

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



40.0840, 19.6786, 35.0063



40.3670, -19.9009, 36.5121



32.5130, -15.0429, -28.5139



44.3860, 27.9107, -38.9265

Rectangle

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



40.0840, 19.6786, 35.0063



32.5650, -3.2365, 58.2635



32.5130, -15.0429, -28.5139



41.3420, 11.1704, -36.2569

Sweetspot

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



40.0840, 19.6786, 35.0063



88.5640, 8.1029, 14.4144



19.7520, 29.7023, -6.7985



44.0210, 4.9196, 8.7516



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000

Same Dimension

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



40.0840, 19.6786, 35.0063



43.3650, 30.3861, 54.0539



36.2080, 4.8275, 38.4056



38.6520, 1.1576, 2.0592



95.8160, 67.1387, 119.4334

Inverse Universe

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



40.0840, 19.6786, 35.0063



43.3650, 30.3861, 54.0539



55.7920, -4.8275, -38.4056



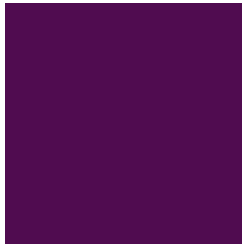
38.6520, 1.1576, 2.0592



95.8160, 67.1387, 119.4334

Previews

White Background



This preview shows how the YUV color 40.0840, 19.6786, 35.0063 looks on a white background.

Color Contrast Check

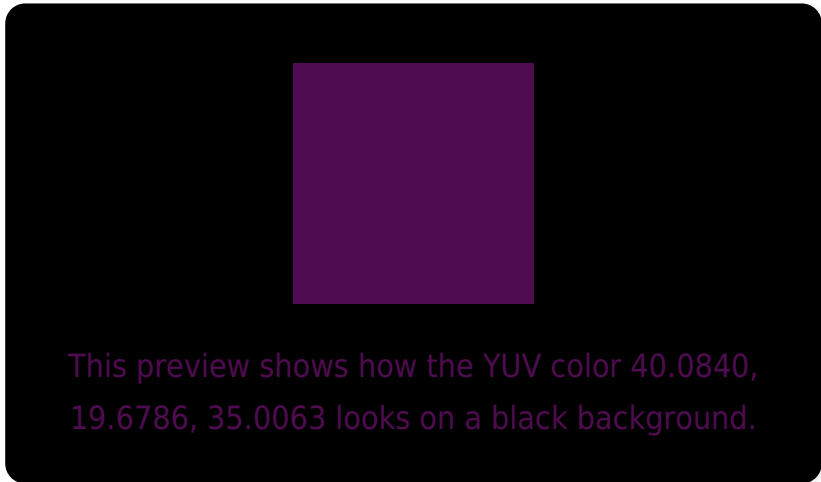
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

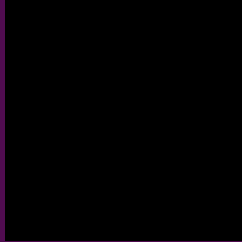
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 40.0840, 19.6786, 35.0063

Background



This preview shows how black text looks on a background with the YUV color 40.0840, 19.6786, 35.0063.



This preview shows how white text looks on a background with the YUV color 40.0840, 19.6786,

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

40.0840, 19.6786, 35.0063

Protanopia

37.2450, 28.4732, -32.6639

Deuteranopia

44.8100, 14.8837, -13.8654



Tritanopia

45.7860, -5.3175, 25.6207

Trichromacy



Original Color

40.0840, 19.6786, 35.0063

Protanomaly

38.3020, 25.4871, -8.1579

Deuteranomaly

43.0880, 16.7186, 4.3078

Tritanomaly

43.5120, 3.6916, 29.3690

Monochromacy



Original Color

40.0840, 19.6786, 35.0063

Achromatopsia

40.0000, 0.0000, 0.0000

Achromatomaly

40.3250, 7.2348, 12.8700

CSS Examples

Text

The CSS property to change the color of the text to YUV 40.0840, 19.6786, 35.0063 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(80, 12, 80)` looks like.

```
.text, #text, p{  
    color:rgb(80, 12, 80)  
}
```

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(80, 12, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 12, 80) }
```

Border

The CSS property to change the border of an element to YUV 40.0840, 19.6786, 35.0063 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(80, 12, 80) }
```

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

```
.border{ border-color:rgb(80, 12, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 12, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 12, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 12, 80);  
box-shadow:4px 4px 4px 4px rgb(80, 12, 80)  
}
```

Background

The CSS property to change the background color of an element to YUV 40.0840, 19.6786, 35.0063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 12, 80) }
```

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

```
.background{ background-color: rgb(80, 12,  
80) }
```

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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