

Converting Colors

YUV(40.8620, 12.8860, 20.2920)

Have a look what the booklet for
YUV(40.8620, 12.8860, 20.2920)
contains.

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Color

**YUV(40.8620, 12.8860,
20.2920)**

Conversions

Conversions Part 1

Format	Color
Hex	401843
RGB	64, 24, 67
RGB Percent	25%, 9%, 26%
CMY	0.7490, 0.9059, 0.7373
CMYK	0.04, 0.64, 0.00, 0.74
HSL	296°, 47%, 18%
HSV	296°, 64%, 26%
XYZ	3.4541, 2.1485, 5.5428
YIQ	40.8620, 10.0370, 21.8530

Conversions

Conversions Part 2

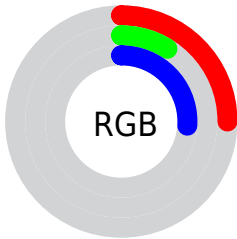
Format	Color
RYB	64, 24, 67
Decimal	4200515
CIELab	16.25, 26.62, -18.52
CIElCh	16, 32.427, 325.164
Yxy	2.1485, 0.3099, 0.1928
Android (android.graphics.Color)	4282390595 (0xFF401843)
YUV	40.8620, 12.8860, 20.2920
Hunter-Lab	14.6578, 16.4124, -12.1601

Details

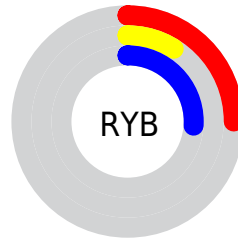
The YUV color **40.8620, 12.8860, 20.2920** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **50.1380, -12.8860, -20.2920**, and the grayscale version is **41.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.9870, 13.3174, 21.9364**, and **6.6230, 8.5669, 5.5926** is the 20% darker color. If you saturate the color by 10%, you get **36.7530, 14.9118, 23.8956**, and if you desaturate by 10%, it is **44.9710, 10.8603, 16.6884**.

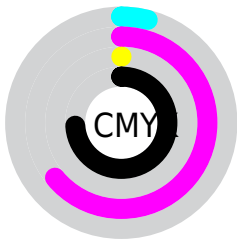
Distribution



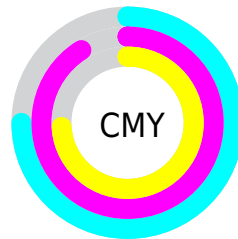
- Red (25%)
- Green (9%)
- Blue (26%)



- Red (25%)
- Yellow (9%)
- Blue (26%)



- Cyan (4%)
- Magenta (64%)
- Yellow (0%)
- Black (74%)



- Cyan (75%)
- Magenta (91%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YUV color 40.8620, 12.8860, 20.2920 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 40.8620, 12.8860, 20.2920 by changing the saturation by 10% instead.

40.8620, 12.8860,
20.2920

40.8620, 12.8860,
20.2920

255.0000, 0.0000,
0.0000

18.5630, 13.0334,
19.6772

87.9870, 13.3174,
21.9364

6.6230, 8.5669,
5.5926

112.8130, 13.8962,
22.9660

0.0000, 0.0000,
0.0000


138.5250, 14.0382,
24.0956


165.3510, 14.6170,
25.1252


192.7640, 14.9063,
25.6400


221.0630, 14.7589,


26.2547


 239.1510, 7.8136,
13.8996


 40.8620, 12.8860,
20.2920


 40.8620, 12.8860,
20.2920


 36.7530, 14.9118,
23.8956


 44.9710, 10.8603,
16.6884

 32.9320, 16.7955,
26.3696


 48.7920, 8.9765,
14.2144

 28.8230, 18.8213,
29.9732

 52.9010, 6.9508,
10.6108

 26.1760, 20.1262,
31.4176

 57.3090, 4.7777,
7.6220

 60.8310, 3.0413,
4.5332

■ 65.2390, 0.8682,
1.5444

■ 69.3480, -1.1576,
-2.0592

■ 73.7560, -3.3307,
-5.0480

■ 77.2780, -5.0671,
-8.1368

Harmonies

Analogous

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



39.4500, 20.9772, -8.2876



40.8620, 12.8860, 20.2920



36.9690, 3.9593, 36.8612

Triad

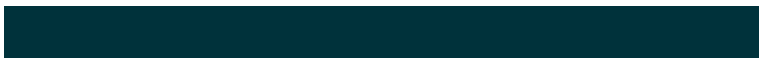
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.8620, 12.8860, 20.2920



38.4520, -18.9568, 13.6356



36.0760, 11.3015, -31.6387

Complementary

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



40.8620, 12.8860, 20.2920



50.1380, -12.8860, -20.2920

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.



33.4540, 1.2552, -29.3392



40.8620, 12.8860, 20.2920



36.2820, -17.8870, -2.8783

Square

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



40.8620, 12.8860, 20.2920



37.6650, -18.5688, 29.2348



29.4300, -9.0860, -25.8101



37.6550, 19.8901, -33.0234

Rectangle

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



40.8620, 12.8860, 20.2920



35.8570, -2.8875, 39.5904



29.4300, -9.0860, -25.8101



35.8650, 7.9546, -31.4536

Sweetspot

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



40.8620, 12.8860, 20.2920



76.7220, 5.0671, 8.1368



31.2500, 17.6247, -6.3582



37.1300, 2.8939, 5.1480



171.0000, 0.0000, 0.0000



43.0000, 0.0000, 0.0000

Same Dimension

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



40.8620, 12.8860, 20.2920



46.1760, 20.1262, 31.4176



39.7070, 4.5814, 23.9360



31.2390, 0.8682, 1.5444



37.9680, 29.1028, 45.6321



88.0270, 67.0347, 106.0933

Inverse Universe

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



37.1990, -5.0281, 26.1355



40.6030, -7.6923, 40.6902



51.2930, -4.5814, -23.9360



30.8970, -0.4422, 1.8443



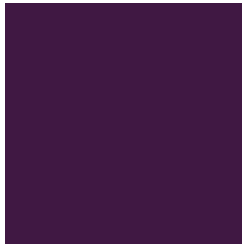
29.8010, -11.2409, 58.9335



68.8000, -26.0304, 136.1104

Previews

White Background



This preview shows how the YUV color 40.8620, 12.8860, 20.2920 looks on a white background.

Color Contrast Check

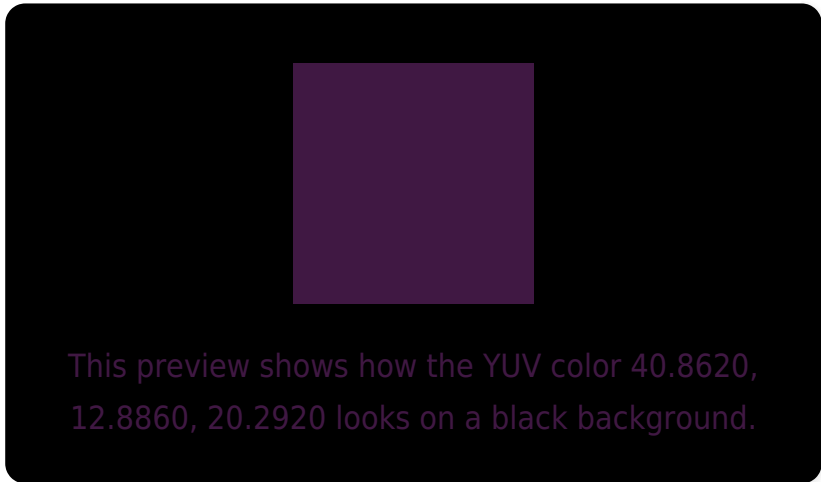
Large Text (above 18pt) WCAG AA ✓ Pass

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

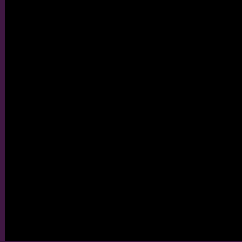
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 40.8620, 12.8860, 20.2920

Background



This preview shows how black text looks on a background with the YUV color 40.8620, 12.8860, 20.2920.



This preview shows how white text looks on a background with the YUV color 40.8620, 12.8860,

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

40.8620, 12.8860, 20.2920

Protanopia

37.0140, 22.1781, -20.1833

Deuteranopia

40.3330, 11.6678, -9.0620



Tritanopia

41.4150, -2.6696, 16.2990

Trichromacy



Original Color

40.8620, 12.8860, 20.2920

Protanomaly

38.3040, 19.0771, -5.5286

Deuteranomaly

40.5130, 12.0721, 1.3041

Tritanomaly

41.2070, 2.8559, 17.3585

Monochromacy



Original Color

40.8620, 12.8860, 20.2920

Achromatopsia

41.0000, 0.0000, 0.0000

Achromatomaly

40.8960, 4.4883, 7.1072

CSS Examples

Text

The CSS property to change the color of the text to YUV 40.8620, 12.8860, 20.2920 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(64, 24, 67)` looks like.

```
.text, #text, p{  
    color:rgb(64, 24, 67)  
}
```

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(64, 24, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 24, 67) }
```

Border

The CSS property to change the border of an element to YUV 40.8620, 12.8860, 20.2920 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(64, 24, 67) }
```


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

```
.border{ border-color:rgb(64, 24, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 24, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 24, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 24, 67);  
box-shadow:4px 4px 4px 4px rgb(64, 24, 67)  
}
```

Background

The CSS property to change the background color of an element to YUV 40.8620, 12.8860, 20.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 24, 67) }
```

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

```
.background{ background-color: rgb(64, 24,  
67) }
```

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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