

Converting Colors

YUV(40.6020, -16.5658, -6.6670)

Have a look what the booklet for
YUV(40.6020, -16.5658, -6.6670)
contains.

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Color

**YUV(40.6020, -16.5658,
-6.6670)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 213307 |
| RGB | 33, 51, 7 |
| RGB Percent | 13%, 20%, 3% |
| CMY | 0.8706, 0.8000, 0.9725 |
| CMYK | 0.35, 0.00, 0.86, 0.80 |
| HSL | 85°, 76%, 11% |
| HSV | 85°, 86%, 20% |
| XYZ | 1.8494, 2.7063, 0.6259 |
| YIQ | 40.6020, 3.3960, -17.5000 |

Conversions

Conversions Part 2

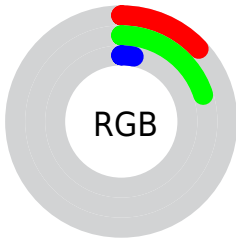
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 7, 51, 25 |
| Decimal | 2175751 |
| CIE Lab | 18.83, -15.63, 23.51 |
| CIE LCh | 19, 28.232, 123.627 |
| Yxy | 2.7063, 0.3569, 0.5223 |
| Android (android.graphics.Color) | 4280365831 (0xFF213307) |
| YUV | 40.6020, -16.5658, -6.6670 |
| Hunter-Lab | 16.4509, -8.7225, 9.2598 |

Details

The YUV color **40.6020, -16.5658, -6.6670** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17.3980, 16.5658, 6.6670**, and the grayscale version is **41.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.0750, -17.2920, -7.0818**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **39.4340, -18.4550, -7.3966**, and if you desaturate by 10%, it is **41.7700, -14.6766, -5.9373**.

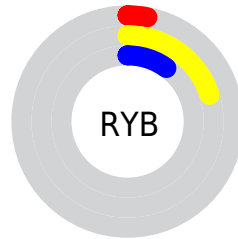
Distribution



Red (13%)

Green (20%)

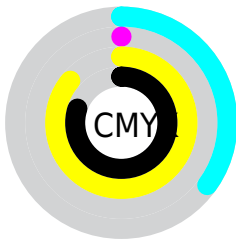
Blue (3%)



Red (3%)

Yellow (20%)

Blue (10%)

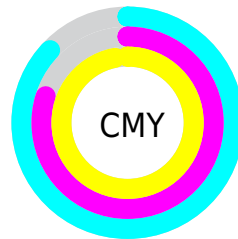


Cyan (35%)

Magenta (0%)

Yellow (86%)

Black (80%)



Cyan (87%)

Magenta (80%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the YUV color 40.6020, -16.5658, -6.6670 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 40.6020, -16.5658, -6.6670 by changing the saturation by 10% instead.

■ 40.6020, -16.5658,
-6.6670

■ 40.6020, -16.5658,
-6.6670

■ 252.6060, -9.1728,
2.0995

■ 20.3010, -10.0084,
-9.9110

■ 87.0750, -17.2920,
-7.0818

■ 0.0000, 0.0000,
0.0000

■ 111.2600,
-17.8762, -6.3670


■ 136.8470,
-18.1656, -6.8818


■ 163.3200,
-18.8918, -7.2966


■ 190.5050,
-19.4760, -6.5819


■ 218.0920,


-19.7654, -7.0967


 244.5160,
-19.4814, -4.8375


 40.6020, -16.5658,
-6.6670


 40.6020, -16.5658,
-6.6670


 39.4340, -18.4550,
-7.3966


 41.7700, -14.6766,
-5.9373

 38.9070, -19.1812,
-7.8114

 42.9380, -12.7874,
-5.2076

 44.1060, -10.8983,
-4.4780

 45.2740, -9.0091,
-3.7483

 46.5560, -6.6831,
-3.1186

■ 48.0230, -4.9413,
-1.7742

■ 49.1910, -3.0522,
-1.0445

■ 50.3590, -1.1630,
-0.3148

■ 51.5270, 0.7262,
0.4148

Harmonies

Analogous

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



43.1480, -21.2720, 9.5172



40.6020, -16.5658, -6.6670



34.7760, -3.8336, -30.4986

Triad

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



40.6020, -16.5658, -6.6670



40.4590, 20.4797, -35.4825



44.7960, -0.3924, 32.6279

Complementary

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



40.6020, -16.5658, -6.6670



17.3980, 16.5658, 6.6670

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.



46.4340, 8.6600, 22.4214



40.6020, -16.5658, -6.6670



37.5070, 24.4000, -32.8936

Square

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



40.6020, -16.5658, -6.6670



40.0370, 13.7858, -35.1124



46.6640, 16.4346, 2.0487



44.5650, -10.1385, 31.9535

Rectangle

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



40.6020, -16.5658, -6.6670



36.9590, 1.9922, -32.4130



46.6640, 16.4346, 2.0487



44.9960, 2.9600, 30.6985

Sweetspot

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



40.6020, -16.5658, -6.6670



61.9690, -6.3937, -2.6038



30.7220, -11.6949, 17.7838



30.6640, -3.7784, -1.4593



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000

Same Dimension

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



40.6020, -16.5658, -6.6670



50.4030, -24.8487, -10.0004



34.0240, -13.3228, -20.1920



25.0600, -1.0156, -0.9296



68.0900, -33.5684, -13.2339



165.6510, -81.6659, -33.0199

Inverse Universe

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



17.3980, 16.5658, 6.6670



15.5970, 24.8487, 10.0004



23.9760, 13.3228, 20.1920



23.6410, 1.1630, 0.3148



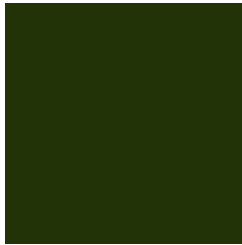
21.2090, 33.4210, 13.8487



51.3490, 81.6659, 33.0199

Previews

White Background



This preview shows how the YUV color 40.6020, -16.5658, -6.6670 looks on a white background.

Color Contrast Check

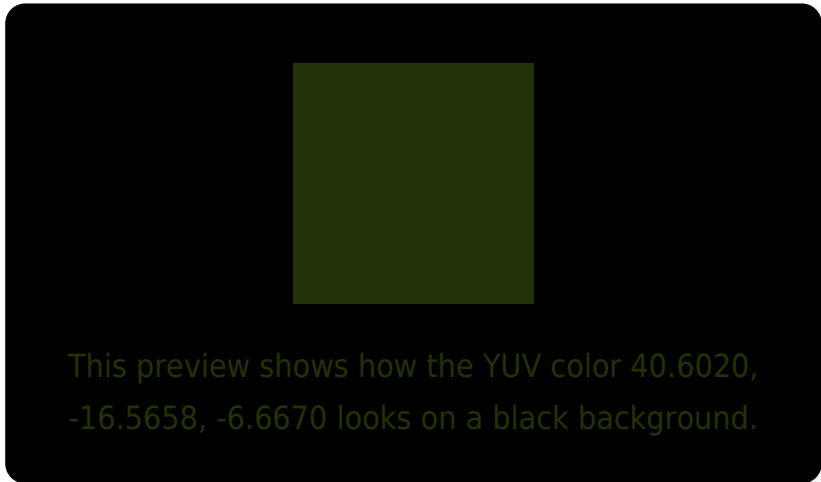
Large Text (above 18pt) WCAG AA ✓ Pass

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

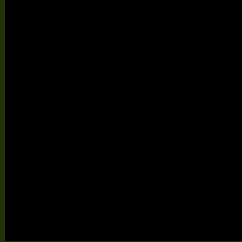
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 40.6020, -16.5658, -6.6670

Background



This preview shows how black text looks on a background with the YUV color 40.6020, -16.5658, -6.6670.



This preview shows how white text looks on a background with the YUV color 40.6020, -16.5658, -6.6670.

-6.6670.

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

40.6020, -16.5658, -6.6670

Protanopia

43.1200, -18.7932, 7.7878

Deuteranopia

44.5380, -16.0412, 11.8062



Tritanopia

44.7650, 3.0739, -5.9329

Trichromacy



Original Color

40.6020, -16.5658, -6.6670

Protanomaly

42.3150, -17.9033, 2.3547

Deuteranomaly

43.3800, -16.4563, 4.9287

Tritanomaly

42.9300, -3.9095, -6.0776

Monochromacy



Original Color

40.6020, -16.5658, -6.6670

Achromatopsia

41.0000, 0.0000, 0.0000

Achromatomaly

41.0830, -5.9569, -2.7038

CSS Examples

Text

The CSS property to change the color of the text to YUV 40.6020, -16.5658, -6.6670 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(33, 51, 7)` looks like.

```
.text, #text, p{  
    color:rgb(33, 51, 7)  
}
```

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(33, 51, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 51, 7) }
```

Border

The CSS property to change the border of an element to YUV 40.6020, -16.5658, -6.6670 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(33, 51, 7) }
```


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

```
.border{ border-color:rgb(33, 51, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 51, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 51, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 51, 7); box-shadow:4px  
4px 4px 4px rgb(33, 51, 7) }
```

Background

The CSS property to change the background color of an element to YUV 40.6020, -16.5658, -6.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 51, 7) }
```

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

```
.background{ background-color: rgb(33, 51,  
7) }
```

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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