

# Converting Colors

YUV(46.6680, 7.0657, 20.4622)

Have a look what the booklet for  
YUV(46.6680, 7.0657, 20.4622)  
contains.

<b>YUV(46.6680, 7.0657, 20.4622)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(46.6680, 7.0657,  
20.4622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46203D
RGB	70, 32, 61
RGB Percent	27%, 13%, 24%
CMY	0.7255, 0.8745, 0.7608
CMYK	0.00, 0.54, 0.13, 0.73
HSL	314°, 37%, 20%
HSV	314°, 54%, 27%
XYZ	3.8846, 2.6720, 4.7259
YIQ	46.6680, 13.3390, 17.0750

# Conversions

## Conversions Part 2

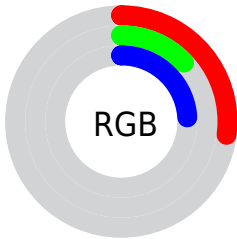
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 32, 61
Decimal	4595773
CIELab	18.68, 22.75, -10.49
CIElCh	19, 25.052, 335.235
Yxy	2.6720, 0.3443, 0.2368
Android (android.graphics.Color)	4282785853 (0xFF46203D)
YUV	46.6680, 7.0657, 20.4622
Hunter-Lab	16.3464, 13.8132, -5.6989

# Details

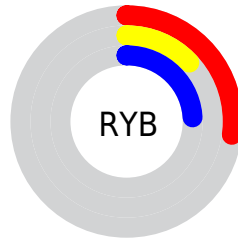
The YUV color **46.6680, 7.0657, 20.4622** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **55.3320, -7.0657, -20.4622**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.9780, 6.9128, 22.8213**, and **9.9400, 4.4666, 14.0846** is the 20% darker color. If you saturate the color by 10%, you get **42.3310, 8.2178, 24.2657**, and if you desaturate by 10%, it is **51.0050, 5.9135, 16.6586**.

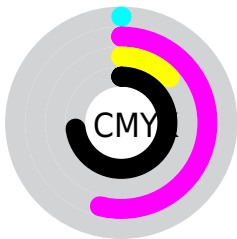
# Distribution



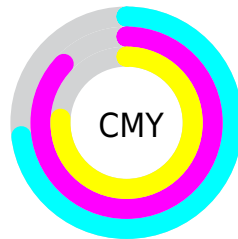
- Red (27%)
- Green (13%)
- Blue (24%)



- Red (27%)
- Yellow (13%)
- Blue (24%)



- Cyan (0%)
- Magenta (54%)
- Yellow (13%)
- Black (73%)



- Cyan (73%)
- Magenta (87%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.6680, 7.0657, 20.4622 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 46.6680, 7.0657, 20.4622 by changing the saturation by 10% instead.



■ 46.6680, 7.0657,  
20.4622

■ 46.6680, 7.0657,  
20.4622

■ 255.0000, 0.0000,  
0.0000

■ 24.3690, 7.2131,  
19.8474

■ 93.9780, 6.9128,  
22.8213

■ 9.9400, 4.4666,  
14.0846

■ 118.8040, 7.4916,  
23.8509

■ 0.0000, 0.0000,  
0.0000

■ 145.1030, 7.3442,  
24.4657

■ 171.5160, 7.6336,  
24.9805

■ 198.9290, 7.9230,  
25.4953

■ 226.0430, 8.3598,

25.3953

244.4340, 5.2090,  
9.2664

46.6680, 7.0657,  
20.4622

46.6680, 7.0657,  
20.4622

42.3310, 8.2178,  
24.2657

51.0050, 5.9135,  
16.6586

38.1080, 9.8068,  
27.9693

55.2280, 4.3246,  
12.9550

33.7710, 10.9589,  
31.7728

59.5650, 3.1725,  
9.1515

29.4340, 12.1110,  
35.5764

63.9020, 2.0203,  
5.3479

26.9720, 12.8318,  
37.7356

68.1250, 0.4314,  
1.6444

■ 72.4620, -0.7208,  
-2.1592

■ 76.7990, -1.8729,  
-5.9627

■ 81.0220, -3.4618,  
-9.6663

■ 85.3590, -4.6140,  
-13.4698

# Harmonies

## Analogous

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



46.3930, 14.1033, 3.1633



46.6680, 7.0657, 20.4622



45.2470, -1.1078, 28.7244

# Triad

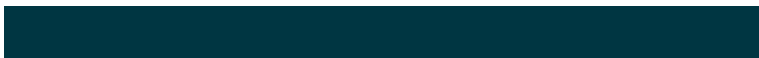
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.6680, 7.0657, 20.4622



43.3050, -19.3774, 8.5025



39.2220, 13.2016, -34.3977

# Complementary

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



46.6680, 7.0657, 20.4622



55.3320, -7.0657, -20.4622

# 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.



37.1700, 5.3392, -32.5981



46.6680, 7.0657, 20.4622



40.8130, -13.2188, -6.8520

# Square

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



46.6680, 7.0657, 20.4622



44.1800, -16.3577, 20.0131



35.4280, -2.6760, -28.4394



38.8290, 19.3113, -34.0530



# Rectangle

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



46.6680, 7.0657, 20.4622



44.4660, -6.6387, 29.4093



35.4280, -2.6760, -28.4394



38.5380, 10.5808, -33.7978

# Sweetspot

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



46.6680, 7.0657, 20.4622



82.7390, 2.5937, 8.1219



39.0230, 15.2717, 1.7338



40.4890, 1.7309, 4.8331



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



46.6680, 7.0657, 20.4622



55.1840, 11.2483, 32.2876



44.5020, -1.2335, 22.3617



33.5380, 0.7208, 2.1592



38.2650, 18.6034, 53.2646



87.5950, 42.1047, 122.2582



# Inverse Universe

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



46.6680, 7.0657, 20.4622



55.1840, 11.2483, 32.2876



57.4980, 1.2335, -22.3617



33.5380, 0.7208, 2.1592



38.2650, 18.6034, 53.2646



87.5950, 42.1047, 122.2582



# Previews

## White Background



This preview shows how the YUV color 46.6680, 7.0657, 20.4622 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

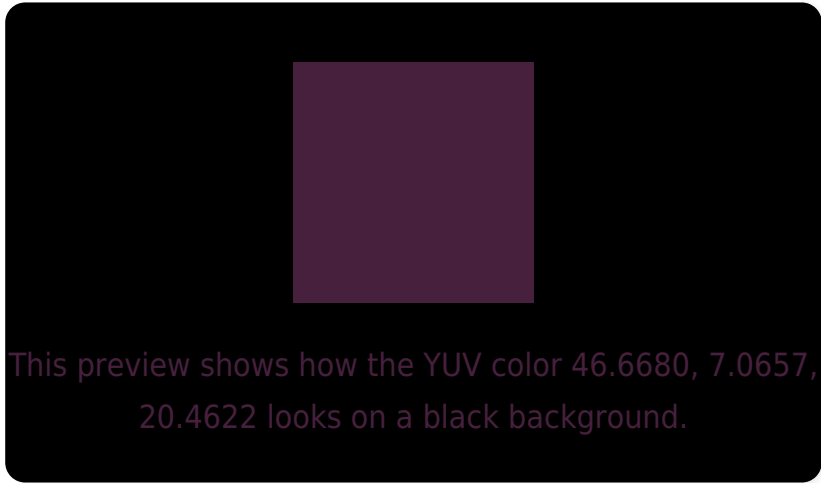
Any Text WCAG AA ✓ Pass

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

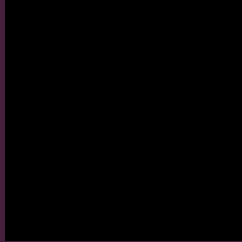
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 46.6680, 7.0657, 20.4622

## Background



This preview shows how black text looks on a background with the YUV color 46.6680, 7.0657, 20.4622.



This preview shows how white text looks on a background with the YUV color 46.6680, 7.0657, 20.4622.



# 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

46.6680, 7.0657, 20.4622

### Protanopia

45.6860, 12.9728, -7.6176

### Deuteranopia

46.2970, 6.2626, -2.0145



## Tritanopia

46.6110, -3.2592, 18.7582

# Trichromacy



## Original Color

46.6680, 7.0657, 20.4622

## Protanomaly

45.8830, 10.9037, 2.7336

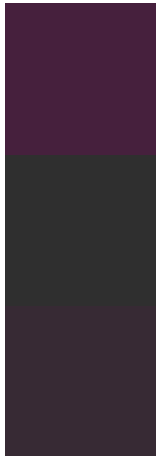
## Deuteranomaly

46.1670, 6.8197, 5.9925

## Tritanomaly

46.6480, 0.6665, 19.6027

# Monochromacy



## Original Color

46.6680, 7.0657, 20.4622

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

47.0270, 2.4517, 6.9923

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.6680, 7.0657, 20.4622 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(70, 32, 61)` looks like.

```
.text, #text, p{  
    color:rgb(70, 32, 61)  
}
```

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(70, 32, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 32, 61) }
```

## Border

The CSS property to change the border of an element to YUV 46.6680, 7.0657, 20.4622 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(70, 32, 61) }
```



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

```
.border{ border-color:rgb(70, 32, 61) }
```

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

Here you see how a box with a 4 pixel rgb(70, 32, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 32, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 32, 61);  
box-shadow:4px 4px 4px 4px rgb(70, 32, 61)  
}
```

# Background

The CSS property to change the background color of an element to YUV 46.6680, 7.0657, 20.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 32, 61) }
```

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

```
.background{ background-color: rgb(70, 32,  
61) }
```

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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