

# Converting Colors

YUV(36.2460, 20.5847, 24.3403)

Have a look what the booklet for  
YUV(36.2460, 20.5847, 24.3403)  
contains.

<b>YUV(36.2460, 20.5847, 24.3403)</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(36.2460, 20.5847,  
24.3403)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	400E4E
RGB	64, 14, 78
RGB Percent	25%, 5%, 31%
CMY	0.7490, 0.9451, 0.6941
CMYK	0.18, 0.82, 0.00, 0.69
HSL	287°, 70%, 18%
HSV	287°, 82%, 31%
XYZ	3.6465, 1.9541, 7.3927
YIQ	36.2460, 9.2560, 30.5040

# Conversions

## Conversions Part 2

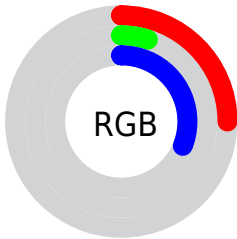
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	64, 14, 78
Decimal	4197966
CIE Lab	15.24, 33.96, -27.72
CIE LCh	15, 43.839, 320.776
Yxy	1.9541, 0.2806, 0.1504
Android (android.graphics.Color)	4282388046 (0xFF400E4E)
YUV	36.2460, 20.5847, 24.3403
Hunter-Lab	13.9790, 22.1000, -21.5699

# Details

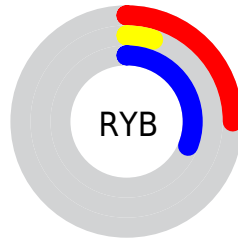
The YUV color **36.2460, 20.5847, 24.3403** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **55.7540, -20.5847, -24.3403**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **85.0720, 21.1635, 25.3699**, and **7.3500, 12.6454, 4.0781** is the 20% darker color. If you saturate the color by 10%, you get **30.9520, 23.1947, 27.2291**, and if you desaturate by 10%, it is **41.5400, 17.9748, 21.4514**.

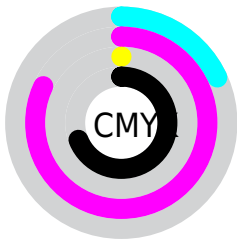
# Distribution



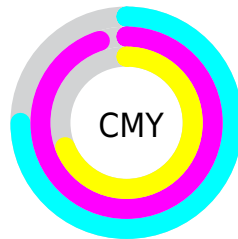
- Red (25%)
- Green (5%)
- Blue (31%)



- Red (25%)
- Yellow (5%)
- Blue (31%)



- Cyan (18%)
- Magenta (82%)
- Yellow (0%)
- Black (69%)



- Cyan (75%)
- Magenta (95%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 36.2460, 20.5847, 24.3403 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 36.2460, 20.5847, 24.3403 by changing the saturation by 10% instead.



36.2460, 20.5847,  
24.3403

36.2460, 20.5847,  
24.3403

251.4780, 1.7363,  
3.0888

18.5290, 17.9802,  
19.7071

85.0720, 21.1635,  
25.3699

7.3500, 12.6454,  
4.0781

110.7840, 21.3055,  
26.4994

0.6840, 2.6208,  
-0.5999

136.6100, 21.8843,  
27.5290


0.0000, 0.0000,  
0.0000


163.0230, 22.1737,  
28.0438


190.8490, 22.7524,  
29.0734


217.4210, 18.5264,

31.2028


 234.4550, 10.1287,  
18.0180


 36.2460, 20.5847,  
24.3403


 36.2460, 20.5847,  
24.3403


 30.9520, 23.1947,  
27.2291


 41.5400, 17.9748,  
21.4514

 27.1310, 25.0784,  
29.7031

 46.5350, 15.5122,  
17.9478

 51.2420, 13.1917,  
15.5738

 56.5360, 10.5818,  
12.6849

 61.8300, 7.9718,  
9.7961

■ 66.8250, 5.5093,  
6.2925

■ 72.1190, 2.8993,  
3.4036

■ 76.8260, 0.5788,  
1.0296

■ 81.8210, -1.8838,  
-2.4740

# Harmonies

## Analogous

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



31.6030, 32.2407, -27.7158



36.2460, 20.5847, 24.3403



31.3000, 8.7261, 47.9719

# Triad

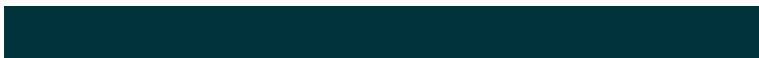
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.2460, 20.5847, 24.3403



36.7020, -18.0941, 16.9243



36.7770, 11.4489, -32.2534

# Complementary

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



36.2460, 20.5847, 24.3403



55.7540, -20.5847, -24.3403

# 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.



32.4280, -2.6760, -28.4394



36.2460, 20.5847, 24.3403



33.6130, -16.5712, -4.9226

# Square

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



36.2460, 20.5847, 24.3403



32.7140, -16.1280, 39.7158



28.1760, -13.8908, -24.7104



39.1540, 23.0951, -34.3381



# Rectangle

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



36.2460, 20.5847, 24.3403



30.2160, -0.5995, 52.4306



28.1760, -13.8908, -24.7104



35.5230, 6.6442, -31.1537

# Sweetspot

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



36.2460, 20.5847, 24.3403



85.5310, 8.1192, 9.1813



30.1010, 23.6142, -14.1206



41.2980, 4.7831, 5.8777



179.0000, 0.0000, 0.0000



51.0000, 0.0000, 0.0000



# Same Dimension

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



36.2460, 20.5847, 24.3403



36.7220, 32.1821, 37.9548



38.4940, 11.0955, 34.6468



35.3530, 1.3050, 1.4444



35.5480, 32.7608, 38.9844



79.7410, 74.0777, 87.0501



# Inverse Universe

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



34.7320, -3.3189, 37.9460



34.4080, -5.1311, 59.2782



53.5060, -11.0955, -34.6468



35.3100, -0.1528, 2.3591



33.0060, -5.4260, 60.5077



74.4700, -12.0637, 136.3998



# Previews

## White Background



This preview shows how the YUV color 36.2460, 20.5847, 24.3403 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

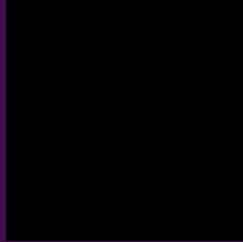
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 36.2460, 20.5847, 24.3403

## Background



This preview shows how black text looks on a background with the YUV color 36.2460, 20.5847, 24.3403.



This preview shows how white text looks on a background with the YUV color 36.2460, 20.5847,



# 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

36.2460, 20.5847, 24.3403

### Protanopia

32.2410, 24.5312, -28.2754

### Deuteranopia

32.2750, 19.5844, -28.3052



## Tritanopia

40.7030, -2.8116, 15.1695

# Trichromacy



## Original Color

36.2460, 20.5847, 24.3403

## Protanomaly

33.7210, 23.3085, -9.4023

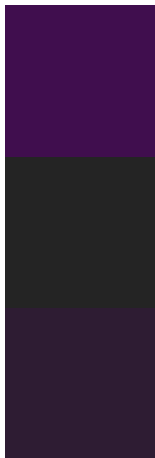
## Deuteranomaly

33.5100, 19.9616, -9.2173

## Tritanomaly

39.0160, 5.9081, 18.4030

# Monochromacy



## Original Color

36.2460, 20.5847, 24.3403

## Achromatopsia

36.0000, 0.0000, 0.0000

## Achromatomaly

36.0040, 7.3930, 8.7665

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.2460, 20.5847, 24.3403 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, 14, 78)` looks like.

```
.text, #text, p{  
    color:rgb(64, 14, 78)  
}
```

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, 14, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 14, 78) }
```

## Border

The CSS property to change the border of an element to YUV 36.2460, 20.5847, 24.3403 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, 14, 78) }
```



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

```
.border{ border-color:rgb(64, 14, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 14, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 14, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 14, 78);  
box-shadow:4px 4px 4px 4px rgb(64, 14, 78)  
}
```

# Background

The CSS property to change the background color of an element to YUV 36.2460, 20.5847, 24.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 14, 78) }
```

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

```
.background{ background-color: rgb(64, 14,  
78) }
```

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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