

# Converting Colors

YUV(100.9900, 35.5009, 0.0088)

Have a look what the booklet for  
YUV(100.9900, 35.5009, 0.0088)  
contains.

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# Color

**YUV(100.9900, 35.5009,  
0.0088)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6557AD
RGB	101, 87, 173
RGB Percent	40%, 34%, 68%
CMY	0.6039, 0.6588, 0.3216
CMYK	0.42, 0.50, 0.00, 0.32
HSL	250°, 34%, 51%
HSV	250°, 50%, 68%
XYZ	16.3178, 12.6002, 41.1072
YIQ	100.9900, -19.2620, 29.7140

# Conversions

## Conversions Part 2

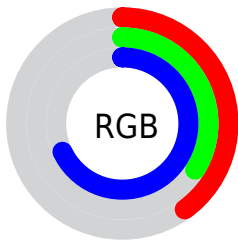
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 87, 173
Decimal	6641581
CIE Lab	42.15, 27.23, -44.28
CIE LCh	42, 51.983, 301.585
Yxy	12.6002, 0.2330, 0.1799
Android (android.graphics.Color)	4284831661 (0xFF6557AD)
YUV	100.9900, 35.5009, 0.0088
Hunter-Lab	35.4968, 19.9369, -43.8133

# Details

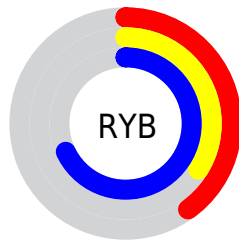
The YUV color **100.9900, 35.5009, 0.0088** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **159.0100, -35.5009, -0.0088**, and the grayscale version is **101.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **152.8700, 37.5321, 1.8680**, and **51.8000, 33.6226, -4.2096** is the 20% darker color. If you saturate the color by 10%, you get **86.8250, 42.4843, 0.1535**, and if you desaturate by 10%, it is **115.1550, 28.5176, -0.1359**.

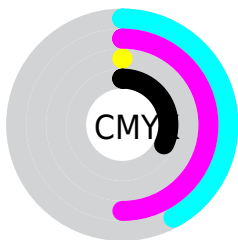
# Distribution



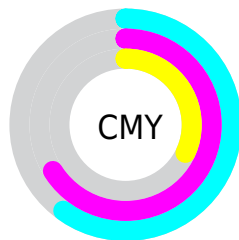
- Red (40%)
- Green (34%)
- Blue (68%)



- Red (40%)
- Yellow (34%)
- Blue (68%)



- Cyan (42%)
- Magenta (50%)
- Yellow (0%)
- Black (32%)



- Cyan (60%)
- Magenta (66%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 100.9900, 35.5009, 0.0088 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 100.9900, 35.5009, 0.0088 by changing the saturation by 10% instead.



■ 100.9900, 35.5009,  
0.0088

■ 100.9900, 35.5009,  
0.0088

■ 255.0000, 0.0000,  
0.0000

■ 76.3380, 34.3434,  
-2.0504

■ 152.8700, 37.5321,  
1.8680

■ 51.8000, 33.6226,  
-4.2096

■ 179.4680, 37.2373,  
3.0976

■ 26.7560, 33.6443,  
-11.1870

■ 204.5750, 24.8595,  
6.5117

■ 8.0940, 31.0127,  
-7.0984

■ 229.6820, 12.4818,  
9.9259

■ 7.7060, 19.3719,  
-6.7582

■ 250.3040, 2.3151,  
4.1184

■ 3.4370, 10.6306,  
-3.0142

■ 0.0000, 0.0000,

0.0000

■ 100.9900, 35.5009,  
0.0088

■ 100.9900, 35.5009,  
0.0088

■ 86.8250, 42.4843,  
0.1535

■ 115.1550, 28.5176,  
-0.1359

■ 71.7740, 49.9044,  
0.1982

■ 130.2060, 21.0974,  
-0.1807

■ 57.6090, 56.8878,  
0.3429

■ 144.3710, 14.1141,  
-0.3254

■ 43.1450, 64.0185,  
-0.1272

■ 158.8350, 6.9833,  
0.1447

■ 28.9800, 71.0019,  
0.0175

■ 173.5870, -0.2894,  
-0.5148

■ 28.0940, 71.4387,  
-0.0824

■ 188.0510, -7.4201,  
-0.0447

■ 202.2160,  
-14.4035, -0.1894

■ 216.6800,  
-21.5342, 0.2806

■ 231.4320,  
-28.8070, -0.3789

# Harmonies

## Analogous

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



82.2520, 51.1478, -72.1350



100.9900, 35.5009, 0.0088



100.8510, 19.7935, 44.8577

# Triad

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



100.9900, 35.5009, 0.0088



95.4490, -37.6894, 48.7182



81.3670, 9.6791, -71.3589

# Complementary

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



100.9900, 35.5009, 0.0088



159.0100, -35.5009, -0.0088

# 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.



74.4760, -9.1087, -65.3155



100.9900, 35.5009, 0.0088



92.8080, -45.7543, 22.0934

# Square

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



100.9900, 35.5009, 0.0088



94.9070, -18.6882, 67.6106



88.2920, -36.6260, -12.5341



86.1550, 28.0246, -75.5579



# Rectangle

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



100.9900, 35.5009, 0.0088



97.1710, 7.8037, 63.8710



88.2920, -36.6260, -12.5341



79.0700, 3.4165, -69.3444

# Sweetspot

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



100.9900, 35.5009, 0.0088



196.2570, 13.6773, -0.2254



139.6550, 16.4391, -46.1784



95.1770, 8.2937, -0.1552



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



100.9900, 35.5009, 0.0088



111.8540, 55.2880, 0.1280



113.5480, 29.3098, 25.8294



79.3250, 3.7838, -0.2850



24.2760, 61.9819, -0.2421



3.8180, 9.4567, 0.1596



# Inverse Universe

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



120.9220, 18.7725, 45.6724



142.8340, 29.1688, 71.1826



146.4520, -29.3098, -25.8294



81.4890, 1.7309, 4.8331



59.2140, 32.9255, 79.6193

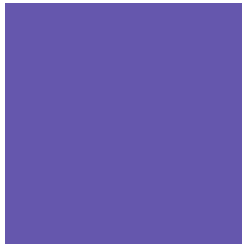


9.0430, 4.9088, 12.2403



# Previews

## White Background



This preview shows how the YUV color 100.9900, 35.5009, 0.0088 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 × Fail



# Black Background



This preview shows how the YUV color 100.9900, 35.5009, 0.0088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

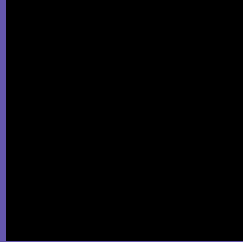
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 100.9900, 35.5009, 0.0088

## Background



This preview shows how black text looks on a background with the YUV color 100.9900, 35.5009, 0.0088.



This preview shows how white text looks on a background with the YUV color 100.9900, 35.5009,

0.0088.

# 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

100.9900, 35.5009, 0.0088

### Protanopia

94.5450, 43.6083, -33.8040

### Deuteranopia

92.1330, 38.3884, -39.5816



**Tritanopia**

98.1280, 5.8529, -10.6363

# Trichromacy



## Original Color

100.9900, 35.5009, 0.0088

## Protanomaly

96.5250, 40.6602, -21.5084

## Deuteranomaly

95.2920, 37.3240, -24.8121

## Tritanomaly

99.3100, 16.6092, -7.2879

# Monochromacy



## Original Color

100.9900, 35.5009, 0.0088

## Achromatopsia

101.0000, 0.0000, 0.0000

## Achromatomaly

101.0290, 12.8037, -0.0254

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 100.9900, 35.5009, 0.0088 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(101, 87, 173)` looks like.

```
.text, #text, p{  
    color:rgb(101, 87, 173)  
}
```

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(101, 87, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 87, 173) }
```

## Border

The CSS property to change the border of an element to YUV 100.9900, 35.5009, 0.0088 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(101, 87, 173) }
```



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

```
.border{ border-color:rgb(101, 87, 173) }
```

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

Here you see how a box with a 4 pixel rgb(101, 87, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 87, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 87, 173);  
box-shadow:4px 4px 4px 4px rgb(101, 87,  
173) }
```

# Background

The CSS property to change the background color of an element to YUV 100.9900, 35.5009, 0.0088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 87, 173) }
```

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

```
.background{ background-color: rgb(101, 87,  
173) }
```

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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