

Converting Colors

YUV(87.9150, 36.0309, 16.7375)

Have a look what the booklet for
YUV(87.9150, 36.0309, 16.7375)
contains.

YUV(87.9150, 36.0309, 16.7375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**YUV(87.9150, 36.0309,
16.7375)**

Conversions

Conversions Part 1

Format	Color
Hex	6B40A1
RGB	107, 64, 161
RGB Percent	42%, 25%, 63%
CMY	0.5804, 0.7490, 0.3686
CMYK	0.34, 0.60, 0.00, 0.37
HSL	267°, 43%, 44%
HSV	267°, 60%, 63%
XYZ	14.3298, 9.3658, 34.7707
YIQ	87.9150, -5.5090, 39.2830

Conversions

Conversions Part 2

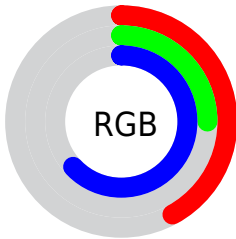
Format	Color
R_{YB}	107, 64, 161
Decimal	7028897
CIE Lab	36.68, 39.05, -45.88
CIE LCh	37, 60.247, 310.404
Yxy	9.3658, 0.2451, 0.1602
Android (android.graphics.Color)	4285218977 (0xFF6B40A1)
YUV	87.9150, 36.0309, 16.7375
Hunter-Lab	30.6036, 30.0245, -45.9407

Details

The YUV color **87.9150, 36.0309, 16.7375** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **137.0850, -36.0309, -16.7375**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.9800, 37.4779, 19.3115**, and **37.9640, 35.0207, 14.0636** is the 20% darker color. If you saturate the color by 10%, you get **75.8320, 41.9878, 19.4413**, and if you desaturate by 10%, it is **99.9980, 30.0740, 14.0338**.

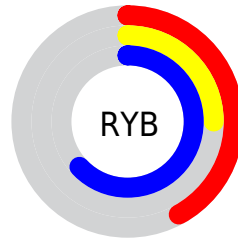
Distribution



Red (42%)

Green (25%)

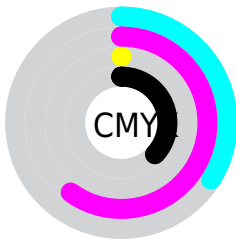
Blue (63%)



Red (42%)

Yellow (25%)

Blue (63%)

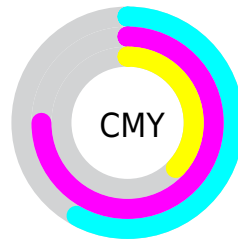


Cyan (34%)

Magenta (60%)

Yellow (0%)

Black (37%)



Cyan (58%)

Magenta (75%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.9150, 36.0309, 16.7375 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 87.9150, 36.0309, 16.7375 by changing the saturation by 10% instead.

87.9150, 36.0309,
16.7375

87.9150, 36.0309,
16.7375

255.0000, 0.0000,
0.0000

62.6760, 35.1627,
15.1931

139.9800, 37.4779,
19.3115

37.9640, 35.0207,
14.0636

166.9200, 38.4934,
20.2412

17.3500, 32.8585,
7.5860

192.2810, 30.9205,
22.5556

6.8400, 26.2079,
-5.9987

217.1000, 18.6847,
27.0993

5.3920, 15.5827,
-4.7288

235.6290, 9.5499,
16.9884

2.0690, 5.3890,
-1.8145

252.6520, 1.1576,

0.0000, 0.0000,

2.0592

0.0000

■ 87.9150, 36.0309,
16.7375

■ 87.9150, 36.0309,
16.7375

■ 75.8320, 41.9878,
19.4413

■ 99.9980, 30.0740,
14.0338

■ 63.7490, 47.9447,
22.1451

■ 112.0810, 24.1171,
11.3300

■ 51.6660, 53.9017,
24.8489

■ 124.1640, 18.1601,
8.6262

■ 39.5830, 59.8586,
27.5527

■ 136.2470, 12.2032,
5.9224

■ 148.9170, 5.9569,
2.7038

■ 161.0000, 0.0000,
0.0000

■ 173.0830, -5.9569,
-2.7038

■ 185.1660,
-11.9138, -5.4076

■ 197.2490,
-17.8708, -8.1114

Harmonies

Analogous

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



71.9310, 54.7570, -63.0835



87.9150, 36.0309, 16.7375



79.3960, 20.0178, 66.3047

Triad

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



87.9150, 36.0309, 16.7375



81.4330, -40.1465, 43.4703



74.4370, 13.5886, -65.2812

Complementary

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



87.9150, 36.0309, 16.7375



137.0850, -36.0309, -16.7375

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.



67.4490, -8.1094, -59.1528



87.9150, 36.0309, 16.7375



80.0390, -39.4592, 9.6128

Square

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



87.9150, 36.0309, 16.7375



76.8060, -25.5404, 72.0841



67.9690, -33.5087, -32.4218



79.2080, 34.4075, -69.4654

Rectangle

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



87.9150, 36.0309, 16.7375



69.6560, 9.0436, 86.2477



67.9690, -33.5087, -32.4218



72.6130, 6.5998, -63.6816

Sweetspot

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



87.9150, 36.0309, 16.7375



180.4150, 14.0924, 6.6520



107.3430, 26.4529, -38.0118



87.6120, 8.5723, 3.8483



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



87.9150, 36.0309, 16.7375



95.8340, 55.7908, 25.5786



102.2670, 28.9554, 46.2468



75.2220, 3.3416, 1.5593



35.6660, 53.9017, 24.8489



4.4440, 6.6831, 3.1186

Inverse Universe

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



99.1590, 9.2886, 54.2346



113.3120, 14.1432, 83.9184



122.7330, -28.9554, -46.2468



76.2610, 0.8573, 5.0331



52.5890, 14.0066, 81.0444



6.5220, 1.7147, 10.0662

Previews

White Background



This preview shows how the YUV color 87.9150, 36.0309, 16.7375 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



This preview shows how the YUV color 87.9150, 36.0309, 16.7375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

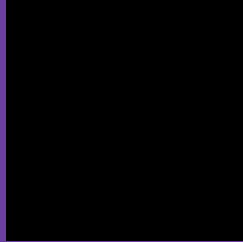
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.9150, 36.0309, 16.7375

Background



This preview shows how black text looks on a background with the YUV color 87.9150, 36.0309, 16.7375.



This preview shows how white text looks on a background with the YUV color 87.9150, 36.0309,

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

87.9150, 36.0309, 16.7375

Deuteranopia

72.7290, 41.0526, -54.1363

Tritanopia

87.3750, 1.2941, 4.9331

Trichromacy



Original Color

87.9150, 36.0309, 16.7375

Deuteranomaly

78.1390, 39.3715, -28.1859

Tritanomaly

87.7250, 13.9396, 9.0112

Monochromacy



Original Color

87.9150, 36.0309, 16.7375

Achromatopsia

88.0000, 0.0000, 0.0000

Achromatomaly

87.8880, 13.3662, 6.2372

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.9150, 36.0309, 16.7375 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(107, 64, 161)` looks like.

```
.text, #text, p{  
    color:rgb(107, 64, 161)  
}
```

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(107, 64, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 64, 161) }
```

Border

The CSS property to change the border of an element to YUV 87.9150, 36.0309, 16.7375 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(107, 64, 161) }
```

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

```
.border{ border-color:rgb(107, 64, 161) }
```

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

Here you see how a box with a 4 pixel rgb(107, 64, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 64, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 64, 161);  
box-shadow:4px 4px 4px 4px rgb(107, 64,  
161) }
```


Background

The CSS property to change the background color of an element to YUV 87.9150, 36.0309, 16.7375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 64, 161) }
```

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

```
.background{ background-color: rgb(107, 64,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor