

Converting Colors

YUV(96.9590, 36.0092, 23.7150)

Have a look what the booklet for
YUV(96.9590, 36.0092, 23.7150)
contains.

YUV(96.9590, 36.0092, 23.7150)	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>	31

Color

**YUV(96.9590, 36.0092,
23.7150)**

Conversions

Conversions Part 1

Format	Color
Hex	7C45AA
RGB	124, 69, 170
RGB Percent	49%, 27%, 67%
CMY	0.5137, 0.7294, 0.3333
CMYK	0.27, 0.59, 0.00, 0.33
HSL	273°, 42%, 47%
HSV	273°, 59%, 67%
XYZ	17.6960, 11.4436, 39.3064
YIQ	96.9590, 0.3590, 43.0710

Conversions

Conversions Part 2

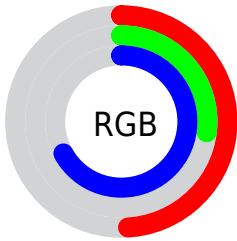
Format	Color
RYB	124, 69, 170
Decimal	8144298
CIELab	40.32, 42.76, -45.31
CIELCh	40, 62.297, 313.341
Yxy	11.4436, 0.2585, 0.1672
Android (android.graphics.Color)	4286334378 (0xFF7C45AA)
YUV	96.9590, 36.0092, 23.7150
Hunter-Lab	33.8284, 34.1756, -45.2112

Details

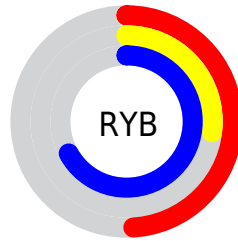
The YUV color **96.9590, 36.0092, 23.7150** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **142.0410, -36.0092, -23.7150**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **149.7250, 37.6036, 25.6742**, and **45.7200, 35.1410, 22.1706** is the 20% darker color. If you saturate the color by 10%, you get **84.5880, 42.1081, 27.5483**, and if you desaturate by 10%, it is **109.3300, 29.9103, 19.8816**.

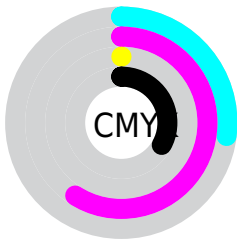
Distribution



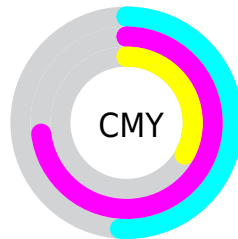
- Red (49%)
- Green (27%)
- Blue (67%)



- Red (49%)
- Yellow (27%)
- Blue (67%)



- Cyan (27%)
- Magenta (59%)
- Yellow (0%)
- Black (33%)



- Cyan (51%)
- Magenta (73%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YUV color 96.9590, 36.0092, 23.7150 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 96.9590, 36.0092, 23.7150 by changing the saturation by 10% instead.

96.9590, 36.0092,
23.7150

96.9590, 36.0092,
23.7150

255.0000, 0.0000,
0.0000

71.1330, 35.4304,
22.6854

149.7250, 37.6036,
25.6742

45.7200, 35.1410,
22.1706

176.9640, 38.4717,
27.2186

23.6440, 33.6995,
17.8522

201.4840, 26.3834,
31.1475

14.3300, 26.4593,
6.7266

223.3020, 15.6271,
27.7991

6.7770, 18.3509,
-5.9434

240.3250, 7.2348,
12.8700

3.2090, 9.7570,
-2.8143

0.0000, 0.0000,

0.0000

■ 96.9590, 36.0092,
23.7150

■ 96.9590, 36.0092,
23.7150

■ 84.5880, 42.1081,
27.5483

■ 109.3300, 29.9103,
19.8816

■ 72.5160, 48.0596,
31.9965

■ 121.4020, 23.9588,
15.4334

■ 60.1450, 54.1585,
35.8298

■ 133.7730, 17.8599,
11.6001

■ 47.7740, 60.2574,
39.6632

■ 146.1440, 11.7610,
7.7667

■ 47.1870, 60.5468,
40.1780

■ 158.5150, 5.6621,
3.9333

■ 170.5870, -0.2894,
-0.5148

■ 182.9580, -6.3883,
-4.3482

■ 195.3290,
-12.4872, -8.1815

■ 207.7000,
-18.5861, -12.0149

Harmonies

Analogous

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



77.4080, 57.9729, -67.8868



96.9590, 36.0092, 23.7150



87.5000, 18.9805, 72.3525

Triad

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



96.9590, 36.0092, 23.7150



89.6950, -44.2196, 43.2405



82.0170, 17.2466, -71.9289

Complementary

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



96.9590, 36.0092, 23.7150



142.0410, -36.0092, -23.7150

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.



74.8010, -5.3249, -65.6005



96.9590, 36.0092, 23.7150



87.1050, -42.9428, 6.9239

Square

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



96.9590, 36.0092, 23.7150



86.5520, -30.3451, 73.1839



72.9420, -35.9604, -39.4141



86.7880, 38.0655, -76.1131

Rectangle

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



96.9590, 36.0092, 23.7150



80.1680, 5.8332, 89.3067



72.9420, -35.9604, -39.4141



80.0790, 9.8211, -70.2293

Sweetspot

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



96.9590, 36.0092, 23.7150



193.1380, 14.2290, 9.5260



108.1030, 30.5152, -34.2933



94.6230, 8.5669, 5.5926



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.



96.9590, 36.0092, 23.7150



107.7260, 56.3371, 37.0743



110.3710, 27.9181, 52.2946



78.1080, 2.9048, 1.6593



41.0910, 52.7061, 35.0002



5.5690, 7.1145, 4.7630

Inverse Universe

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



104.4430, 5.2046, 57.4935



119.4500, 8.1591, 89.9364



128.6290, -27.9181, -52.2946



78.8480, 0.5679, 4.5183



51.8900, 7.4492, 84.2885



7.0060, 0.9830, 11.3957

Previews

White Background



This preview shows how the YUV color 96.9590, 36.0092, 23.7150 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 96.9590, 36.0092, 23.7150 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 96.9590, 36.0092, 23.7150

Background



This preview shows how black text looks on a background with the YUV color 96.9590, 36.0092, 23.7150.



This preview shows how white text looks on a background with the YUV color 96.9590, 36.0092,

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

96.9590, 36.0092, 23.7150

Protanopia

81.5020, 55.4615, -55.6913

Deuteranopia

87.6060, 37.6622, -39.9965



Tritanopia

96.3760, -0.1854, 12.8252

Trichromacy



Original Color

96.9590, 36.0092, 23.7150

Protanomaly

87.4410, 48.0966, -26.6968

Deuteranomaly

90.9340, 37.0075, -16.6051

Tritanomaly

96.8400, 12.8969, 16.8033

Monochromacy



Original Color

96.9590, 36.0092, 23.7150

Achromatopsia

97.0000, 0.0000, 0.0000

Achromatomaly

97.1980, 13.2134, 8.5964

CSS Examples

Text

The CSS property to change the color of the text to YUV 96.9590, 36.0092, 23.7150 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(124, 69, 170)` looks like.

```
.text, #text, p{  
    color:rgb(124, 69, 170)  
}
```

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(124, 69, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 69, 170) }
```

Border

The CSS property to change the border of an element to YUV 96.9590, 36.0092, 23.7150 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(124, 69, 170) }
```


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

```
.border{ border-color:rgb(124, 69, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 69, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 69, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 69, 170); box-shadow:4px 4px 4px 4px rgb(124, 69, 170) }
```

Background

The CSS property to change the background color of an element to YUV 96.9590, 36.0092, 23.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 69, 170) }
```

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

```
.background{ background-color: rgb(124, 69,  
170) }
```

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