

Converting Colors

YUV(45.3890, 20.5142, 47.0168)

Have a look what the booklet for
YUV(45.3890, 20.5142, 47.0168)
contains.

YUV(45.3890, 20.5142, 47.0168)	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(45.3890, 20.5142,
47.0168)**

Conversions

Conversions Part 1

Format	Color
Hex	630A57
RGB	99, 10, 87
RGB Percent	39%, 4%, 34%
CMY	0.6118, 0.9608, 0.6588
CMYK	0.00, 0.90, 0.12, 0.61
HSL	308°, 82%, 21%
HSV	308°, 90%, 39%
XYZ	6.9744, 3.5579, 9.3360
YIQ	45.3890, 28.3270, 42.8150

Conversions

Conversions Part 2

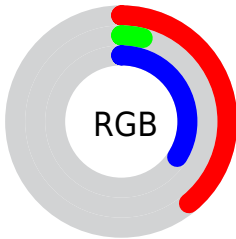
Format	Color
R_{YB}	99, 10, 87
Decimal	6490711
CIE _{Lab}	22.15, 44.88, -22.41
CIE _{LCh}	22, 50.163, 333.462
Yxy	3.5579, 0.3510, 0.1791
Android (android.graphics.Color)	4284680791 (0xFF630A57)
YUV	45.3890, 20.5142, 47.0168
Hunter-Lab	18.8623, 32.9924, -16.1423

Details

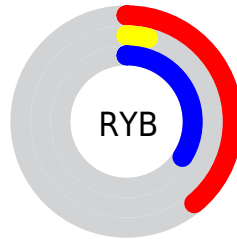
The YUV color **45.3890, 20.5142, 47.0168** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **63.6110, -20.5142, -47.0168**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.6940, 17.8989, 45.8724**, and **19.6240, 10.5384, 26.6398** is the 20% darker color. If you saturate the color by 10%, you get **39.4050, 22.9713, 52.2648**, and if you desaturate by 10%, it is **51.3730, 18.0571, 41.7689**.

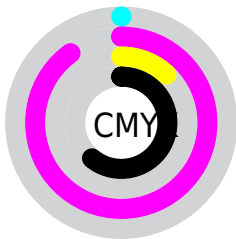
Distribution



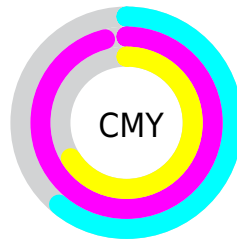
- Red (39%)
- Green (4%)
- Blue (34%)



- Red (39%)
- Yellow (4%)
- Blue (34%)



- Cyan (0%)
- Magenta (90%)
- Yellow (12%)
- Black (61%)



- Cyan (61%)
- Magenta (96%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the YUV color 45.3890, 20.5142, 47.0168 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 45.3890, 20.5142, 47.0168 by changing the saturation by 10% instead.

■ 45.3890, 20.5142,
47.0168

■ 45.3890, 20.5142,
47.0168

■ 255.0000, 0.0000,
0.0000

■ 29.0090, 16.7576,
38.5801

■ 100.6940, 17.8989,
45.8724

■ 19.6240, 10.5384,
26.6398

■ 127.4060, 18.0408,
47.0019

■ 7.2490, 5.7932,
8.5516

■ 154.1180, 18.1828,
48.1315

■ 0.0000, 0.0000,
0.0000


■ 181.8300, 18.3248,
49.2611


■ 206.5410, 19.9463,
42.4985


■ 223.8890, 15.3377,


27.2843


 240.3250, 7.2348,
12.8700


 45.3890, 20.5142,
47.0168


 45.3890, 20.5142,
47.0168


 39.4050, 22.9713,
52.2648

 51.3730, 18.0571,
41.7689

 57.4710, 16.0368,
36.4209

 63.4550, 13.5797,
31.1730

 69.4390, 11.1226,
25.9250

 75.5370, 9.1023,
20.5771

■ 80.9340, 6.9345,
15.8439

■ 86.9180, 4.4774,
10.5959

■ 93.0160, 2.4571,
5.2480

■ 99.0000, 0.0000,
0.0000

Harmonies

Analogous

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



52.5510, 31.2804, 0.3938



45.3890, 20.5142, 47.0168



40.0850, 4.8881, 65.7005

Triad

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



45.3890, 20.5142, 47.0168



49.9480, -24.6244, 11.4466



50.6320, 21.3804, -44.4043

Complementary

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



45.3890, 20.5142, 47.0168



63.6110, -20.5142, -47.0168

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.



46.4140, 5.2189, -40.7051



45.3890, 20.5142, 47.0168



43.2710, -21.3326, -17.7777

Square

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



45.3890, 20.5142, 47.0168



49.2270, -24.2689, 37.5119



40.5660, -12.1110, -35.5764



51.8350, 33.6053, -45.4593

Rectangle

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



45.3890, 20.5142, 47.0168



37.0500, -5.4476, 67.4852



40.5660, -12.1110, -35.5764



49.2640, 16.1388, -43.2045

Sweetspot

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



45.3890, 20.5142, 47.0168



106.8850, 7.9447, 18.5179



23.7340, 37.1061, -1.5207



51.3310, 4.7668, 11.1107



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000

Same Dimension

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



45.3890, 20.5142, 47.0168



50.8120, 29.1797, 67.6939



40.3730, 1.2951, 51.4159



45.6520, 1.1576, 2.0592



44.5460, 25.8598, 59.1572



95.3580, 55.0395, 126.8510

Inverse Universe

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



45.3890, 20.5142, 47.0168



50.8120, 29.1797, 67.6939



68.6270, -1.2951, -51.4159



45.6520, 1.1576, 2.0592



44.5460, 25.8598, 59.1572



95.3580, 55.0395, 126.8510

Previews

White Background



This preview shows how the YUV color 45.3890, 20.5142, 47.0168 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

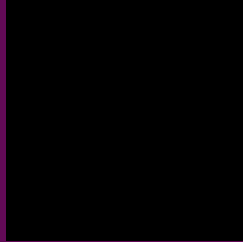
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 45.3890, 20.5142, 47.0168

Background



This preview shows how black text looks on a background with the YUV color 45.3890, 20.5142, 47.0168.



This preview shows how white text looks on a background with the YUV color 45.3890, 20.5142,

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

45.3890, 20.5142, 47.0168

Protanopia

44.6940, 34.1679, -39.1966

Deuteranopia

54.7890, 13.4150, -9.4620



Tritanopia

52.8690, -7.8234, 36.0719

Trichromacy



Original Color

45.3890, 20.5142, 47.0168

Protanomaly

44.9260, 29.1235, -7.8281

Deuteranomaly

51.6050, 15.9707, 10.8704

Tritanomaly

50.2360, 2.3487, 40.1350

Monochromacy



Original Color

45.3890, 20.5142, 47.0168

Achromatopsia

45.0000, 0.0000, 0.0000

Achromatomaly

45.0590, 7.3659, 17.4883

CSS Examples

Text

The CSS property to change the color of the text to YUV 45.3890, 20.5142, 47.0168 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(99, 10, 87)` looks like.

```
.text, #text, p{  
    color:rgb(99, 10, 87)  
}
```

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(99, 10, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 10, 87) }
```

Border

The CSS property to change the border of an element to YUV 45.3890, 20.5142, 47.0168 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(99, 10, 87) }
```


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

```
.border{ border-color:rgb(99, 10, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 10, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 10, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 10, 87);  
box-shadow:4px 4px 4px 4px rgb(99, 10, 87)  
}
```

Background

The CSS property to change the background color of an element to YUV 45.3890, 20.5142, 47.0168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 10, 87) }
```

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

```
.background{ background-color: rgb(99, 10,  
87) }
```

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