

Converting Colors

YUV(47.2220, 53.6276,
-27.3817)

Have a look what the booklet for
YUV(47.2220, 53.6276, -27.3817)
contains.

YUV(47.2220, 53.6276, -27.3817)	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(47.2220, 53.6276,
-27.3817)**

Conversions

Conversions Part 1

Format	Color
Hex	102A9C
RGB	16, 42, 156
RGB Percent	6%, 16%, 61%
CMY	0.9373, 0.8353, 0.3882
CMYK	0.90, 0.73, 0.00, 0.39
HSL	229°, 81%, 34%
HSV	229°, 90%, 61%
XYZ	7.0424, 4.1664, 31.8855
YIQ	47.2220, -52.0900, 29.9420

Conversions

Conversions Part 2

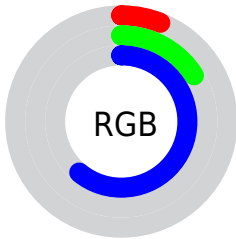
Format	Color
R_{YB}	16, 38, 156
Decimal	1059484
CIE _{Lab}	24.21, 36.67, -63.48
CIE _{LCh}	24, 73.309, 300.013
Yxy	4.1664, 0.1634, 0.0967
Android (android.graphics.Color)	4279249564 (0xFF102A9C)
YUV	47.2220, 53.6276, -27.3817
Hunter-Lab	20.4117, 25.8651, -78.3297

Details

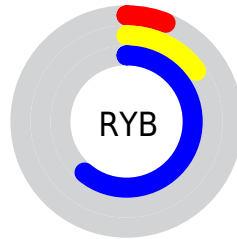
The YUV color **47.2220, 53.6276, -27.3817** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **124.7780, -53.6276, 27.3817**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.3320, 53.5733, -9.9382**, and **11.7420, 44.9902, -10.2977** is the 20% darker color. If you saturate the color by 10%, you get **34.8070, 59.7481, -30.5257**, and if you desaturate by 10%, it is **59.6370, 47.5070, -24.2376**.

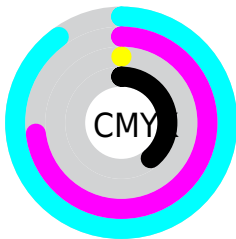
Distribution



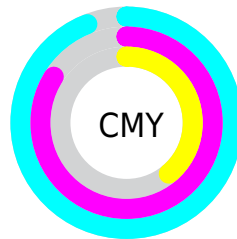
- Red (6%)
- Green (16%)
- Blue (61%)



- Red (6%)
- Yellow (15%)
- Blue (61%)



- Cyan (90%)
- Magenta (73%)
- Yellow (0%)
- Black (39%)



- Cyan (94%)
- Magenta (84%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the YUV color 47.2220, 53.6276, -27.3817 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 47.2220, 53.6276, -27.3817 by changing the saturation by 10% instead.

■ 47.2220, 53.6276,
-27.3817

■ 47.2220, 53.6276,
-27.3817

■ 255.0000, 0.0000,
0.0000

■ 27.0330, 50.2697,
-23.7079

■ 103.3320, 53.5733,
-9.9382

■ 11.7420, 44.9902,
-10.2977

■ 130.1690, 54.1467,
-7.1642

■ 9.4790, 33.7809,
-8.3131

■ 155.5240, 49.0417,
-3.0905

■ 9.0910, 22.1401,
-7.9728

■ 180.0440, 36.9533,
0.8384

■ 4.8220, 13.3988,
-4.2289

■ 204.8630, 24.7175,
5.3821

■ 0.4560, 1.7472,
-0.3999

■ 230.2690, 12.1924,

■ 0.0000, 0.0000,

9.4111

0.0000

250.8910, 2.0257,
3.6036

47.2220, 53.6276,
-27.3817

47.2220, 53.6276,
-27.3817

34.8070, 59.7481,
-30.5257

59.6370, 47.5070,
-24.2376

71.1660, 41.8232,
-21.1936

83.5810, 35.7026,
-18.0495

95.6970, 29.7294,
-15.5203

108.1120, 23.6088,
-12.3762

■ 119.9400, 17.7776,
-8.7174

■ 132.0560, 11.8044,
-6.1881

■ 144.4710, 5.6838,
-3.0441

■ 156.0000, 0.0000,
0.0000

Harmonies

Analogous

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



58.9370, 55.7401, -51.6877



47.2220, 53.6276, -27.3817



48.2780, 32.4009, 61.1462

Triad

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



47.2220, 53.6276, -27.3817



48.4620, -23.8918, 56.5998



50.9960, 2.4670, -44.7235

Complementary

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



47.2220, 53.6276, -27.3817



124.7780, -53.6276, 27.3817

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.



43.4380, -21.4149, -38.0951



47.2220, 53.6276, -27.3817



54.4000, -26.8192, 15.4352

Square

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



47.2220, 53.6276, -27.3817



42.2020, -19.3266, 85.7688



40.5030, -19.9680, -35.5211



57.9670, 26.6383, -50.8371

Rectangle

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



47.2220, 53.6276, -27.3817



50.8660, 13.8701, 78.1705



40.5030, -19.9680, -35.5211



48.7160, -6.2690, -42.7239

Sweetspot

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



47.2220, 53.6276, -27.3817



161.1400, 21.1300, -10.6468



110.9480, 8.4066, -83.2694



76.2840, 12.6780, -6.3881



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000

Same Dimension

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



47.2220, 53.6276, -27.3817



45.5620, 78.1099, -39.9579



44.5180, 54.9606, 11.8237



73.0860, 2.9156, -1.8294



32.1510, 54.6486, -28.1964



3.4710, 5.6838, -3.0441

Inverse Universe

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



60.8240, -9.2802, 83.4694



65.3280, -13.4727, 121.6153



127.4820, -54.9606, -11.8237



73.6200, -0.3057, 4.7183



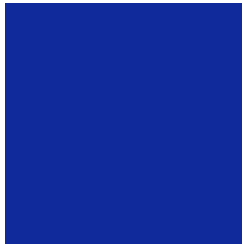
45.8350, -9.2857, 85.2137



4.8270, -0.9007, 8.9217

Previews

White Background



This preview shows how the YUV color 47.2220, 53.6276, -27.3817 looks on a white background.

Color Contrast Check

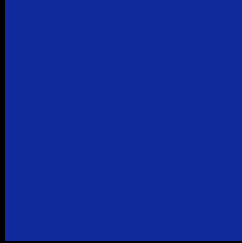
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2220, 53.6276, -27.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

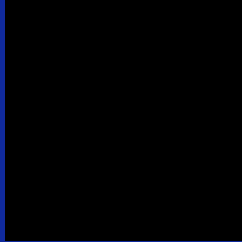
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 47.2220, 53.6276, -27.3817

Background



This preview shows how black text looks on a background with the YUV color 47.2220, 53.6276, -27.3817.



This preview shows how white text looks on a background with the YUV color 47.2220, 53.6276, -27.3817.

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

47.2220, 53.6276, -27.3817

Protanopia

46.3240, 35.3363, -40.6261

Deuteranopia

46.6200, 26.3163, -40.8857



Tritanopia

45.3200, 11.1812, -39.7456

Trichromacy



Original Color

47.2220, 53.6276, -27.3817

Protanomaly

46.7790, 42.0140, -35.7632

Deuteranomaly

46.5850, 36.1936, -35.5930

Tritanomaly

46.0660, 26.5895, -35.1379

Monochromacy



Original Color

47.2220, 53.6276, -27.3817

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.0970, 19.6722, -9.7321

CSS Examples

Text

The CSS property to change the color of the text to YUV 47.2220, 53.6276, -27.3817 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(16, 42, 156)` looks like.

```
.text, #text, p{  
    color:rgb(16, 42, 156)  
}
```

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(16, 42, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 42, 156) }
```

Border

The CSS property to change the border of an element to YUV 47.2220, 53.6276, -27.3817 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(16, 42, 156) }
```


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

```
.border{ border-color:rgb(16, 42, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 42, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 42, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 42, 156);  
box-shadow:4px 4px 4px 4px rgb(16, 42,  
156) }
```

Background

The CSS property to change the background color of an element to YUV 47.2220, 53.6276, -27.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 42, 156) }
```

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

```
.background{ background-color: rgb(16, 42,  
156) }
```

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