

Converting Colors

YUV(63.3350, 42.2328,
-12.5718)

Have a look what the booklet for
YUV(63.3350, 42.2328, -12.5718)
contains.

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Color

**YUV(63.3350, 42.2328,
-12.5718)**

Conversions

Conversions Part 1

Format	Color
Hex	313695
RGB	49, 54, 149
RGB Percent	19%, 21%, 58%
CMY	0.8078, 0.7882, 0.4157
CMYK	0.67, 0.64, 0.00, 0.42
HSL	237°, 51%, 39%
HSV	237°, 67%, 58%
XYZ	8.0106, 5.4612, 29.0657
YIQ	63.3350, -33.4750, 28.4850

Conversions

Conversions Part 2

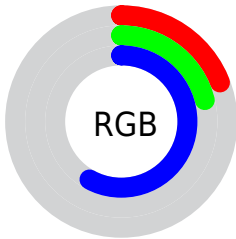
Format	Color
R_YB	49, 54, 149
Decimal	3225237
CIE _{Lab}	28.01, 29.52, -52.90
CIE _{LCh}	28, 60.576, 299.164
Yxy	5.4612, 0.1883, 0.1284
Android (android.graphics.Color)	4281415317 (0xFF313695)
YUV	63.3350, 42.2328, -12.5718
Hunter-Lab	23.3693, 20.2907, -57.3839

Details

The YUV color **63.3350, 42.2328, -12.5718** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **134.6650, -42.2328, 12.5718**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.5360, 44.1058, -6.6091**, and **18.6890, 38.6073, -16.3903** is the 20% darker color. If you saturate the color by 10%, you get **50.6320, 48.4954, -14.5863**, and if you desaturate by 10%, it is **76.0380, 35.9703, -10.5573**.

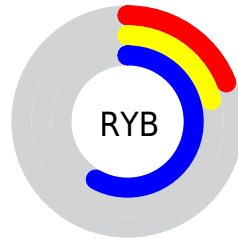
Distribution



 Red (19%)

 Green (21%)

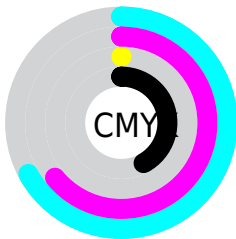
 Blue (58%)




 Red (19%)

 Yellow (21%)

 Blue (58%)

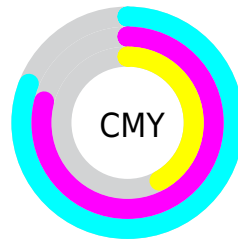



 Cyan (67%)


 Magenta (64%)

 Yellow (0%)

 Black (42%)



 Cyan (81%)

 Magenta (79%)

 Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the YUV color 63.3350, 42.2328, -12.5718 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 63.3350, 42.2328, -12.5718 by changing the saturation by 10% instead.

■ 63.3350, 42.2328,
-12.5718

■ 63.3350, 42.2328,
-12.5718

■ 255.0000, 0.0000,
0.0000

■ 35.1870, 43.2918,
-25.5970

■ 114.5360, 44.1058,
-6.6091

■ 18.6890, 38.6073,
-16.3903

■ 141.1880, 45.2633,
-4.5499

■ 8.3220, 31.8863,
-7.2984

■ 167.3300, 43.2213,
-2.9204

■ 7.9340, 20.2455,
-6.9581

■ 191.8500, 31.1330,
1.0086

■ 3.6650, 11.5042,
-3.2142

■ 216.3700, 19.0446,
4.9375

■ 0.0000, 0.0000,
0.0000

■ 242.3630, 6.2300,

8.4516

■ 63.3350, 42.2328,
-12.5718

■ 63.3350, 42.2328,
-12.5718

■ 50.6320, 48.4954,
-14.5863

■ 76.0380, 35.9703,
-10.5573

■ 37.9290, 54.7580,
-16.6007

■ 88.7410, 29.7077,
-8.5429

■ 25.2260, 61.0206,
-18.6152

■ 101.4440, 23.4451,
-6.5284

■ 21.0950, 63.0572,
-18.5003

■ 114.7340, 16.8931,
-5.0287

■ 127.4370, 10.6306,
-3.0142

■ 139.8410, 4.5154,
-1.6146

■ 152.5440, -1.7472,
0.3999

■ 165.2470, -8.0098,
2.4144

■ 177.9500,
-14.2723, 4.4289

Harmonies

Analogous

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



61.2050, 49.1989, -53.6768



63.3350, 42.2328, -12.5718



57.7840, 28.2075, 52.8094

Triad

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



63.3350, 42.2328, -12.5718



59.9360, -29.5484, 50.9221



56.4900, 3.2094, -49.5417

Complementary

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



63.3350, 42.2328, -12.5718



134.6650, -42.2328, 12.5718

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.



49.2740, -19.3621, -43.2133



63.3350, 42.2328, -12.5718



62.3850, -30.7558, 18.0794

Square

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



63.3350, 42.2328, -12.5718



44.5960, -10.1538, 83.6693



55.3760, -27.3004, -16.9928



62.5490, 23.8863, -54.8555

Rectangle

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



63.3350, 42.2328, -12.5718



50.9520, 16.7857, 76.3411



55.3760, -27.3004, -16.9928



54.6660, -3.7793, -47.9421

Sweetspot

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



63.3350, 42.2328, -12.5718



160.6200, 16.4563, -4.9287



118.5300, 12.5567, -60.9778



77.2090, 9.7570, -2.8143



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000

Same Dimension

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



63.3350, 42.2328, -12.5718



59.5940, 66.2622, -19.8149



73.8550, 37.0465, 17.6672



67.7980, 3.0576, -0.6998



19.8410, 58.2524, -17.4006



1.7270, 4.0786, -1.5146

Inverse Universe

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



79.4700, -12.5567, 60.9778



84.8550, -19.6485, 95.7202



124.1450, -37.0465, -17.6672



69.0930, -1.0318, 4.3034



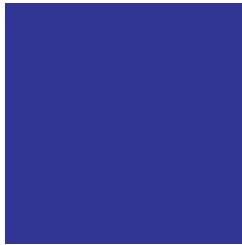
42.0600, -17.2846, 84.1394



3.1040, -1.0373, 6.0478

Previews

White Background



This preview shows how the YUV color 63.3350, 42.2328, -12.5718 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 63.3350, 42.2328, -12.5718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

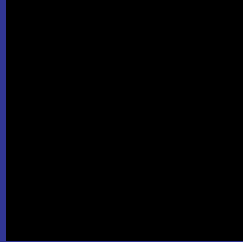
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 63.3350, 42.2328, -12.5718

Background



This preview shows how black text looks on a background with the YUV color 63.3350, 42.2328, -12.5718.



This preview shows how white text looks on a background with the YUV color 63.3350, 42.2328, -12.5718.

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

63.3350, 42.2328, -12.5718

Protanopia

52.9580, 40.4467, -46.4442

Deuteranopia

53.1400, 30.9900, -46.6038



Tritanopia

51.8570, 13.3815, -45.4786

Trichromacy



Original Color

63.3350, 42.2328, -12.5718

Protanomaly

56.5620, 41.1349, -33.8189

Deuteranomaly

56.9550, 35.0252, -34.1635

Tritanomaly

55.9800, 23.6739, -33.3085

Monochromacy



Original Color

63.3350, 42.2328, -12.5718

Achromatopsia

63.0000, 0.0000, 0.0000

Achromatomaly

63.2780, 15.1459, -4.6288

CSS Examples

Text

The CSS property to change the color of the text to YUV 63.3350, 42.2328, -12.5718 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(49, 54, 149)` looks like.

```
.text, #text, p{  
    color:rgb(49, 54, 149)  
}
```

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(49, 54, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 54, 149) }
```

Border

The CSS property to change the border of an element to YUV 63.3350, 42.2328, -12.5718 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(49, 54, 149) }
```


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

```
.border{ border-color:rgb(49, 54, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 54, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 54, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 54, 149);  
box-shadow:4px 4px 4px 4px rgb(49, 54,  
149) }
```

Background

The CSS property to change the background color of an element to YUV 63.3350, 42.2328, -12.5718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 54, 149) }
```

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

```
.background{ background-color: rgb(49, 54,  
149) }
```

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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