

Converting Colors

$Yxy(33.3353, 0.2658, 0.2490)$

Have a look what the booklet for
Yxy(33.3353, 0.2658, 0.2490)
contains.

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Color

Yxy(33.5090, 0.2663, 0.2498)

Conversions

Conversions Part 1

Format	Color
Hex	9997D1
RGB	153, 151, 209
RGB Percent	60%, 59%, 82%
CMY	0.3997, 0.4079, 0.1804
CMYK	0.27, 0.28, 0.00, 0.18
HSL	242°, 39%, 71%
HSV	242°, 28%, 82%
XYZ	35.7224, 33.5090, 64.9119
YIQ	158.2100, -17.4260, 18.4620

Conversions

Conversions Part 2

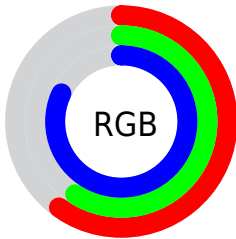
Format	Color
RYB	153, 151, 209
Decimal	10065873
CIELab	64.57, 13.54, -29.41
CIELCh	65, 32.379, 294.724
Yxy	33.5090, 0.2663, 0.2498
Android (android.graphics.Color)	4288255953 (0xFF9997D1)
YUV	158.2100, 25.0395, -4.5692
Hunter-Lab	57.8870, 8.8512, -25.9644

Details

The Yxy color **33.5090, 0.2663, 0.2498** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.0930, 0.3527, 0.3983**, and the grayscale version is **34.1872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2925, 0.2819, 0.2751**, and **14.1568, 0.2512, 0.2273** is the 20% darker color. If you saturate the color by 10%, you get **25.5708, 0.2462, 0.2159**, and if you desaturate by 10%, it is **42.9734, 0.2848, 0.2812**.

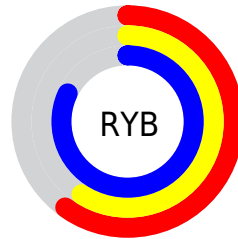
Distribution



Red (60%)

Green (59%)

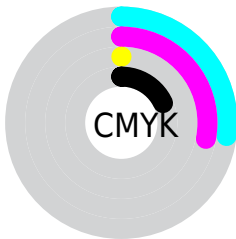
Blue (82%)



Red (60%)

Yellow (59%)

Blue (82%)

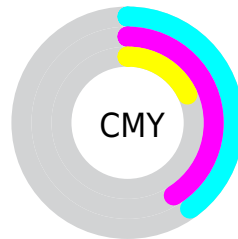


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (18%)



Cyan (40%)

Magenta (41%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5090, 0.2663, 0.2498 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 Yxy color 33.5090, 0.2663, 0.2498 by changing the saturation by 10% instead.

■ 33.5090, 0.2663,
0.2498

■ 33.5090, 0.2663,
0.2498

■ 317.9371, 0.2907,
0.2896

■ 22.5167, 0.2599,
0.2399

■ 65.1694, 0.2754,
0.2642

■ 14.2370, 0.2515,
0.2274

■ 86.6062, 0.2788,
0.2697

■ 8.2857, 0.2401,
0.2108

■ 112.2934, 0.2816,
0.2743

■ 4.2783, 0.2239,
0.1883

■ 142.6152, 0.2840,
0.2782

■ 1.8304, 0.1994,
0.1564

■ 177.9561, 0.2860,
0.2816

■ 0.5060, 0.1612,
0.1005

■ 218.7004, 0.2878,

■ 0.0000, 0.0000,

0.2846

0.0000

265.2326, 0.2894,
0.2872

■ 33.5090, 0.2663,
0.2498

■ 33.5090, 0.2663,
0.2498

■ 25.5708, 0.2462,
0.2159

■ 42.9734, 0.2848,
0.2812

■ 19.0752, 0.2252,
0.1806

■ 54.0339, 0.3013,
0.3094

■ 13.9368, 0.2043,
0.1460

■ 66.7608, 0.3158,
0.3343

■ 10.0594, 0.1852,
0.1147

■ 81.2190, 0.3283,
0.3559

■ 7.3341, 0.1694,
0.0891

■ 97.1595, 0.3392,
0.3742

■ 5.6340, 0.1581,
0.0714

■ 97.3839, 0.3400,
0.3740

■ 4.7838, 0.1519,
0.0620

■ 4.6524, 0.1510,
0.0605

Harmonies

Analogous

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



33.5090, 0.2337, 0.2523



33.5090, 0.2663, 0.2498



33.5090, 0.3138, 0.2649

Triad

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



33.5090, 0.2663, 0.2498



33.5090, 0.4135, 0.3717



33.5090, 0.2599, 0.3663

Complementary

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



33.5090, 0.2663, 0.2498



61.0930, 0.3527, 0.3983

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.



33.5090, 0.3053, 0.4073



33.5090, 0.2663, 0.2498



33.5090, 0.3951, 0.4052

Square

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



33.5090, 0.2663, 0.2498



33.5090, 0.4025, 0.3319



33.5090, 0.3549, 0.4207



33.5090, 0.2301, 0.3156

Rectangle

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



33.5090, 0.2663, 0.2498



33.5090, 0.3484, 0.2831



33.5090, 0.3549, 0.4207



33.5090, 0.2738, 0.3822

Sweetspot

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



33.5103, 0.2663, 0.2498



84.1270, 0.3008, 0.3085



55.8433, 0.2724, 0.3264



17.4089, 0.2984, 0.3044



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.5103, 0.2663, 0.2498



45.2739, 0.2552, 0.2310



36.6677, 0.2912, 0.2551



11.4377, 0.2987, 0.3050



2.8774, 0.1512, 0.0607



0.1682, 0.1553, 0.0629

Inverse Universe

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



40.1850, 0.3178, 0.2627



57.3556, 0.3189, 0.2494



57.3113, 0.3294, 0.4038



12.0014, 0.3143, 0.3069



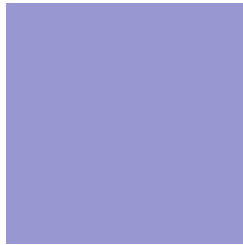
10.9751, 0.3301, 0.1592



0.6160, 0.3282, 0.1582

Previews

White Background



This preview shows how the Yxy color 33.5090, 0.2663, 0.2498 looks on a white background.

Color Contrast Check

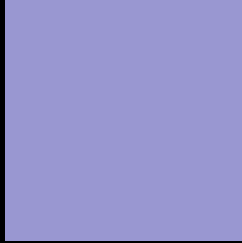
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.5090, 0.2663, 0.2498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

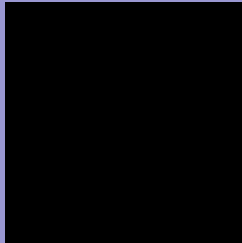
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5090, 0.2663, 0.2498

Background



This preview shows how black text looks on a background with the Yxy color 33.5090, 0.2663, 0.2498.



This preview shows how white text looks on a background with the Yxy color 33.5090, 0.2663, 0.2498.

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

33.5090, 0.2663, 0.2498

Protanopia

33.4401, 0.2544, 0.2484

Deuteranopia

33.5049, 0.2594, 0.2536



Tritanopia

33.4137, 0.2894, 0.3094

Trichromacy



Original Color

33.5090, 0.2663, 0.2498

Protanomaly

33.5054, 0.2588, 0.2489

Deuteranomaly

33.5396, 0.2624, 0.2528

Tritanomaly

33.2414, 0.2806, 0.2853

Monochromacy



Original Color

33.5090, 0.2663, 0.2498

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.6849, 0.2943, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5090, 0.2663, 0.2498 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(153, 151, 209)` looks like.

```
.text, #text, p{  
    color:rgb(153, 151, 209)  
}
```

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(153, 151, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 151, 209) }
```

Border

The CSS property to change the border of an element to Yxy 33.5090, 0.2663, 0.2498 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(153, 151, 209) }
```

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

```
.border{ border-color:rgb(153, 151, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 151, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 151, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 151, 209);  
box-shadow:4px 4px 4px 4px rgb(153, 151,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5090, 0.2663, 0.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 151, 209) }
```

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

```
.background{ background-color: rgb(153,  
151, 209) }
```

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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