

Converting Colors

$Y_{xy}(33.1055, 0.2642, 0.2492)$

Have a look what the booklet for
Yxy(33.1055, 0.2642, 0.2492)
contains.

Yxy(33.2207, 0.2638, 0.2493)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.2207, 0.2638, 0.2493)

Conversions

Conversions Part 1

Format	Color
Hex	9697D1
RGB	150, 151, 209
RGB Percent	59%, 59%, 82%
CMY	0.4118, 0.4078, 0.1804
CMYK	0.28, 0.28, 0.00, 0.18
HSL	239°, 39%, 70%
HSV	239°, 28%, 82%
XYZ	35.1529, 33.2207, 64.8823
YIQ	157.3130, -19.2140, 17.8260

Conversions

Conversions Part 2

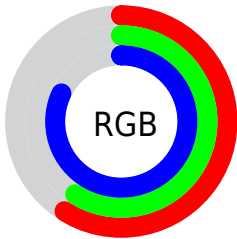
Format	Color
RYB	150, 151, 209
Decimal	9869265
CIELab	64.34, 12.61, -29.78
CIElCh	64, 32.345, 292.953
Yxy	33.2207, 0.2638, 0.2493
Android (android.graphics.Color)	4288059345 (0xFF9697D1)
YUV	157.3130, 25.4817, -6.4135
Hunter-Lab	57.6374, 8.0013, -26.3965

Details

The Yxy color **33.2207, 0.2638, 0.2493** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.8700, 0.3554, 0.3979**, and the grayscale version is **33.7555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8618, 0.2799, 0.2748**, and **13.9888, 0.2480, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **25.3660, 0.2432, 0.2155**, and if you desaturate by 10%, it is **42.5840, 0.2829, 0.2805**.

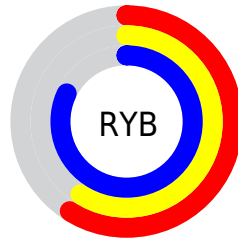
Distribution



Red (59%)

Green (59%)

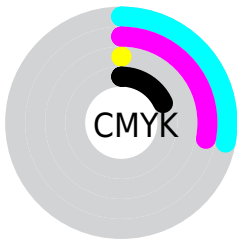
Blue (82%)



Red (59%)

Yellow (59%)

Blue (82%)

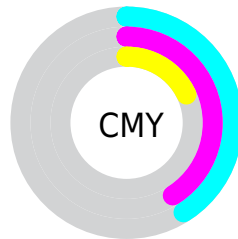


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (18%)



Cyan (41%)

Magenta (41%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2207, 0.2638, 0.2493 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 33.2207, 0.2638, 0.2493 by changing the saturation by 10% instead.

■ 33.2207, 0.2638,
0.2493

■ 33.2207, 0.2638,
0.2493

■ 316.6430, 0.2895,
0.2894

■ 22.2956, 0.2571,
0.2393

■ 64.7199, 0.2734,
0.2639

■ 14.0742, 0.2483,
0.2266

■ 86.0628, 0.2769,
0.2694

■ 8.1723, 0.2363,
0.2099

■ 111.6471, 0.2799,
0.2740

■ 4.2054, 0.2194,
0.1871

■ 141.8572, 0.2824,
0.2780

■ 1.7891, 0.1939,
0.1548

■ 177.0774, 0.2845,
0.2814

■ 0.4804, 0.1542,
0.0969

■ 217.6922, 0.2864,

■ 0.0000, 0.0000,

0.2844

0.0000

264.0859, 0.2881,
0.2871

■ 33.2207, 0.2638,
0.2493

■ 33.2207, 0.2638,
0.2493

■ 25.3660, 0.2432,
0.2155

■ 42.5840, 0.2829,
0.2805

■ 18.9373, 0.2218,
0.1804

■ 53.5248, 0.3001,
0.3085

■ 13.8503, 0.2009,
0.1459

■ 66.1125, 0.3153,
0.3331

■ 10.0101, 0.1821,
0.1146

■ 80.4113, 0.3284,
0.3545

■ 7.3095, 0.1668,
0.0891

■ 96.4819, 0.3398,
0.3729

■ 5.6230, 0.1564,
0.0715

■ 97.3836, 0.3400,
0.3741

■ 4.7834, 0.1510,
0.0621

■ 4.6806, 0.1503,
0.0609

Harmonies

Analogous

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



33.2207, 0.2323, 0.2530



33.2207, 0.2638, 0.2493



33.2207, 0.3107, 0.2635

Triad

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



33.2207, 0.2638, 0.2493



33.2207, 0.4139, 0.3695



33.2207, 0.2622, 0.3693

Complementary

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



33.2207, 0.2638, 0.2493



60.8700, 0.3554, 0.3979

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.



33.2207, 0.3082, 0.4091



33.2207, 0.2638, 0.2493



33.2207, 0.3970, 0.4037

Square

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



33.2207, 0.2638, 0.2493



33.2207, 0.4011, 0.3295



33.2207, 0.3577, 0.4207



33.2207, 0.2311, 0.3185

Rectangle

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



33.2207, 0.2638, 0.2493



33.2207, 0.3454, 0.2812



33.2207, 0.3577, 0.4207



33.2207, 0.2763, 0.3849

Sweetspot

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



33.2220, 0.2638, 0.2493



84.2001, 0.3003, 0.3089



56.5932, 0.2732, 0.3314



17.4271, 0.2978, 0.3048



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.



33.2220, 0.2638, 0.2493



44.2419, 0.2512, 0.2287



35.8268, 0.2872, 0.2530



11.4494, 0.2982, 0.3054



2.9004, 0.1503, 0.0612



0.1737, 0.1514, 0.0651

Inverse Universe

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



37.6033, 0.3731, 0.3279



52.2698, 0.3920, 0.3277



57.6849, 0.3328, 0.4044



11.8114, 0.3288, 0.3287



8.3641, 0.6381, 0.3289



0.4688, 0.6315, 0.3252

Previews

White Background



This preview shows how the Yxy color 33.2207, 0.2638, 0.2493 looks on a white background.

Color Contrast Check

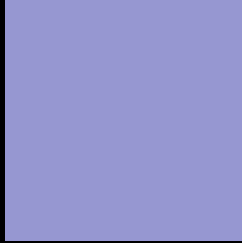
Large Text (above 18pt) WCAG AA × Fail

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 33.2207, 0.2638, 0.2493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

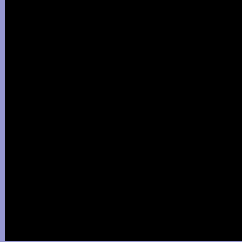
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2207, 0.2638, 0.2493

Background



This preview shows how black text looks on a background with the Yxy color 33.2207, 0.2638, 0.2493.



This preview shows how white text looks on a background with the Yxy color 33.2207, 0.2638, 0.2493.

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

33.2207, 0.2638, 0.2493

Protanopia

33.3033, 0.2543, 0.2494

Deuteranopia

33.4161, 0.2586, 0.2535



Tritanopia

33.1448, 0.2867, 0.3092

Trichromacy



Original Color

33.2207, 0.2638, 0.2493

Protanomaly

33.2752, 0.2579, 0.2498

Deuteranomaly

33.3563, 0.2608, 0.2525

Tritanomaly

32.9652, 0.2779, 0.2850

Monochromacy



Original Color

33.2207, 0.2638, 0.2493

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.4473, 0.2933, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2207, 0.2638, 0.2493 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(150, 151, 209)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 151, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 151, 209) }
```

Border

The CSS property to change the border of an element to Yxy 33.2207, 0.2638, 0.2493 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(150, 151, 209) }
```

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

```
.border{ border-color:rgb(150, 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(150, 151, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 151, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 151, 209);  
box-shadow:4px 4px 4px 4px rgb(150, 151,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2207, 0.2638, 0.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 151, 209) }
```

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

```
.background{ background-color: rgb(150,  
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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