

Converting Colors

$Y_{xy}(33.9803, 0.2493, 0.2281)$

Have a look what the booklet for
Yxy(33.9803, 0.2493, 0.2281)
contains.

Yxy(33.9377, 0.2490, 0.2277)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.9377, 0.2490, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	9397E4
RGB	147, 151, 228
RGB Percent	58%, 59%, 89%
CMY	0.4232, 0.4079, 0.1059
CMYK	0.35, 0.34, 0.00, 0.11
HSL	237°, 60%, 74%
HSV	237°, 35%, 89%
XYZ	37.1124, 33.9377, 77.9956
YIQ	158.5820, -27.1010, 23.0990

Conversions

Conversions Part 2

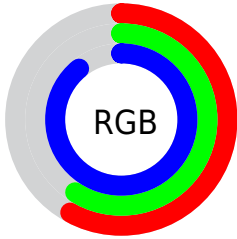
Format	Color
RYB	147, 151, 228
Decimal	9672676
CIELab	64.91, 16.69, -39.45
CIElCh	65, 42.830, 292.932
Yxy	33.9377, 0.2490, 0.2277
Android (android.graphics.Color)	4287862756 (0xFF9397E4)
YUV	158.5820, 34.2231, -10.1574
Hunter-Lab	58.2561, 11.7663, -38.6006

Details

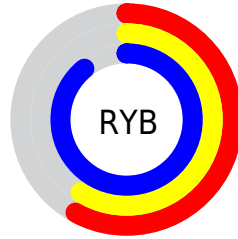
The Yxy color $33.9377, 0.2490, 0.2277$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $71.9655, 0.3674, 0.4134$, and the grayscale version is $34.3261, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.5792, 0.2786, 0.2746$, and $14.4201, 0.2298, 0.2006$ is the 20% darker color. If you saturate the color by 10%, you get $25.6824, 0.2279, 0.1936$, and if you desaturate by 10%, it is $43.8986, 0.2692, 0.2600$.

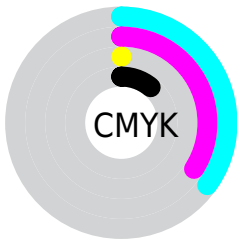
Distribution



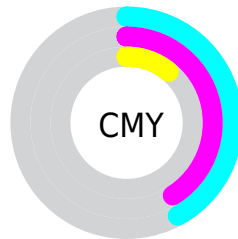
- Red (58%)
- Green (59%)
- Blue (89%)



- Red (58%)
- Yellow (59%)
- Blue (89%)



- Cyan (35%)
- Magenta (34%)
- Yellow (0%)
- Black (11%)



- Cyan (42%)
- Magenta (41%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9377, 0.2490, 0.2277 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 33.9377, 0.2490, 0.2277 by changing the saturation by 10% instead.

■ 33.9377, 0.2490,
0.2277

■ 33.9377, 0.2490,
0.2277

319.8542, 0.2821,
0.2775

■ 22.8457, 0.2406,
0.2158

■ 65.8368, 0.2612,
0.2455

■ 14.4796, 0.2297,
0.2009

■ 87.4127, 0.2657,
0.2522

■ 8.4550, 0.2153,
0.1818

113.2520, 0.2695,
0.2580

■ 4.3875, 0.1956,
0.1569

143.7392, 0.2728,
0.2630

■ 1.8926, 0.1674,
0.1236

179.2586, 0.2756,
0.2673

■ 0.5439, 0.1265,
0.0742

220.1947, 0.2780,

■ 0.0000, 0.0000,

0.2711

0.0000

266.9317, 0.2802,
0.2745

■ 33.9377, 0.2490,
0.2277

■ 33.9377, 0.2490,
0.2277

■ 25.6824, 0.2279,
0.1936

■ 43.8986, 0.2692,
0.2600

■ 19.0334, 0.2070,
0.1592

■ 55.6493, 0.2877,
0.2896

■ 13.8872, 0.1876,
0.1269

■ 69.2729, 0.3044,
0.3159

■ 10.1266, 0.1712,
0.0992

■ 84.8463, 0.3191,
0.3390

■ 7.6169, 0.1593,
0.0784

■ 98.3817, 0.3286,
0.3552

■ 6.1965, 0.1525,
0.0656

■ 5.8413, 0.1507,
0.0623

Harmonies

Analogous

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



33.9377, 0.2099, 0.2312



33.9377, 0.2490, 0.2277



33.9377, 0.3091, 0.2457

Triad

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



33.9377, 0.2490, 0.2277



33.9377, 0.4450, 0.3779



33.9377, 0.2462, 0.3826

Complementary

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



33.9377, 0.2490, 0.2277



71.9655, 0.3674, 0.4134

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.



33.9377, 0.3050, 0.4373



33.9377, 0.2490, 0.2277



33.9377, 0.4212, 0.4237

Square

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



33.9377, 0.2490, 0.2277



33.9377, 0.4292, 0.3275



33.9377, 0.3692, 0.4500



33.9377, 0.2078, 0.3134

Rectangle

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



33.9377, 0.2490, 0.2277



33.9377, 0.3549, 0.2676



33.9377, 0.3692, 0.4500



33.9377, 0.2642, 0.4043

Sweetspot

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



33.9390, 0.2490, 0.2277



79.1976, 0.2953, 0.3017



67.0782, 0.2649, 0.3338



16.4479, 0.2930, 0.2980



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.



33.9390, 0.2490, 0.2277



35.2914, 0.2327, 0.2013



36.6194, 0.2776, 0.2305



13.9982, 0.2980, 0.3059



3.4217, 0.1509, 0.0631



0.2925, 0.1533, 0.0718

Inverse Universe

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



39.6185, 0.3936, 0.3247



43.8408, 0.4208, 0.3238



68.7502, 0.3385, 0.4259



14.3792, 0.3285, 0.3279



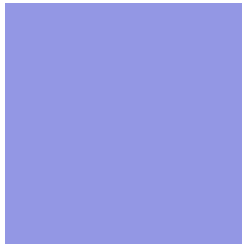
9.5431, 0.6348, 0.3271



0.7092, 0.6202, 0.3190

Previews

White Background



This preview shows how the Yxy color 33.9377, 0.2490, 0.2277 looks on a white background.

Color Contrast Check

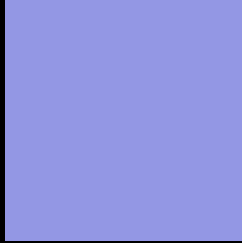
Large Text (above 18pt) WCAG AA × Fail

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 33.9377, 0.2490, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

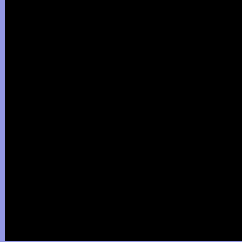
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9377, 0.2490, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 33.9377, 0.2490, 0.2277.



This preview shows how white text looks on a background with the Yxy color 33.9377, 0.2490, 0.2277.

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

33.9377, 0.2490, 0.2277

Protanopia

34.1177, 0.2376, 0.2273

Deuteranopia

34.0688, 0.2387, 0.2327



Tritanopia

34.0867, 0.2780, 0.3092

Trichromacy



Original Color

33.9377, 0.2490, 0.2277

Protanomaly

34.1427, 0.2413, 0.2279

Deuteranomaly

33.8915, 0.2423, 0.2309

Tritanomaly

33.8377, 0.2667, 0.2767

Monochromacy



Original Color

33.9377, 0.2490, 0.2277

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.2062, 0.2876, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9377, 0.2490, 0.2277 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(147, 151, 228)` looks like.

```
.text, #text, p{  
    color:rgb(147, 151, 228)  
}
```

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(147, 151, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 151, 228) }
```

Border

The CSS property to change the border of an element to Yxy 33.9377, 0.2490, 0.2277 is called "border". The border property can be set on classes, ids or directly on the HTML element.

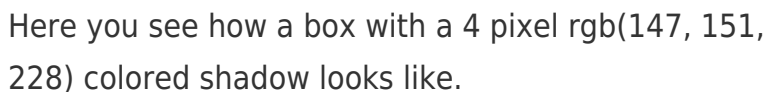
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 151, 228) }
```

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

```
.border{ border-color:rgb(147, 151, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 151, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 151, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 151, 228); box-shadow:4px 4px 4px 4px rgb(147, 151, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9377, 0.2490, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 151, 228) }
```

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

```
.background{ background-color: rgb(147,  
151, 228) }
```

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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