

Converting Colors

$Y_{xy}(33.2660, 0.2516, 0.2469)$

Have a look what the booklet for
Yxy(33.2660, 0.2516, 0.2469)
contains.

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Color

Yxy(33.2337, 0.2515, 0.2467)

Conversions

Conversions Part 1

Format	Color
Hex	899AD5
RGB	137, 154, 213
RGB Percent	54%, 60%, 84%
CMY	0.4629, 0.3960, 0.1646
CMYK	0.36, 0.28, 0.00, 0.16
HSL	227°, 48%, 69%
HSV	227°, 36%, 84%
XYZ	33.8803, 33.2337, 67.5990
YIQ	155.6430, -29.0710, 14.7450

Conversions

Conversions Part 2

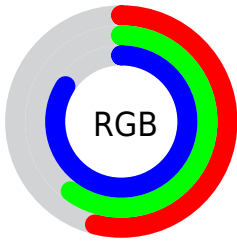
Format	Color
RYB	137, 151, 213
Decimal	9018069
CIELab	64.35, 8.18, -32.08
CIElCh	64, 33.111, 284.311
Yxy	33.2337, 0.2515, 0.2467
Android (android.graphics.Color)	4287208149 (0xFF899AD5)
YUV	155.6430, 28.2770, -16.3499
Hunter-Lab	57.6487, 4.0199, -29.1695

Details

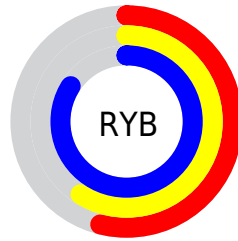
The Yxy color **33.2337, 0.2515, 0.2467** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.4278, 0.3726, 0.3995**, and the grayscale version is **32.9584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5382, 0.2717, 0.2769**, and **14.0539, 0.2329, 0.2230** is the 20% darker color. If you saturate the color by 10%, you get **26.5234, 0.2323, 0.2186**, and if you desaturate by 10%, it is **41.0532, 0.2701, 0.2729**.

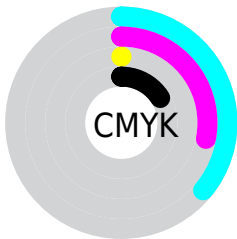
Distribution



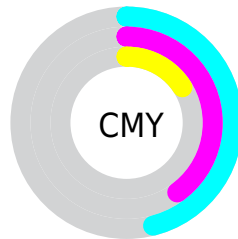
- Red (54%)
- Green (60%)
- Blue (84%)



- Red (54%)
- Yellow (59%)
- Blue (84%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (46%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2337, 0.2515, 0.2467 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 33.2337, 0.2515, 0.2467 by changing the saturation by 10% instead.

■ 33.2337, 0.2515,
0.2467

■ 33.2337, 0.2515,
0.2467

■ 316.7015, 0.2833,
0.2883

■ 22.3055, 0.2433,
0.2363

■ 64.7402, 0.2633,
0.2618

■ 14.0816, 0.2327,
0.2231

■ 86.0874, 0.2676,
0.2675

■ 8.1774, 0.2186,
0.2058

■ 111.6763, 0.2713,
0.2723

■ 4.2087, 0.1988,
0.1822

■ 141.8914, 0.2744,
0.2764

■ 1.7910, 0.1699,
0.1490

■ 177.1171, 0.2771,
0.2800

■ 0.4815, 0.1249,
0.0915

■ 217.7377, 0.2794,

■ 0.0000, 0.0000,

0.2831

0.0000

264.1377, 0.2815,
0.2859

■ 33.2337, 0.2515,
0.2467

■ 33.2337, 0.2515,
0.2467

■ 26.5234, 0.2323,
0.2186

■ 41.0532, 0.2701,
0.2729

■ 20.8670, 0.2134,
0.1895

■ 50.0262, 0.2878,
0.2967

■ 16.2100, 0.1956,
0.1605

■ 60.1992, 0.3041,
0.3180

■ 12.4910, 0.1800,
0.1331

■ 71.6147, 0.3189,
0.3368

■ 9.6413, 0.1676,
0.1089

■ 84.3135, 0.3323,
0.3532

■ 7.5814, 0.1591,
0.0894

■ 96.4317, 0.3378,
0.3684

■ 6.8983, 0.1563,
0.0825

■ 97.5856, 0.3375,
0.3700

Harmonies

Analogous

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



33.2337, 0.2250, 0.2561



33.2337, 0.2515, 0.2467



33.2337, 0.2957, 0.2563

Triad

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



33.2337, 0.2515, 0.2467



33.2337, 0.4157, 0.3586



33.2337, 0.2734, 0.3842

Complementary

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



33.2337, 0.2515, 0.2467



55.4278, 0.3726, 0.3995

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.



33.2337, 0.3228, 0.4179



33.2337, 0.2515, 0.2467



33.2337, 0.4067, 0.3964

Square

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



33.2337, 0.2515, 0.2467



33.2337, 0.3940, 0.3178



33.2337, 0.3719, 0.4204



33.2337, 0.2364, 0.3329

Rectangle

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



33.2337, 0.2515, 0.2467



33.2337, 0.3308, 0.2716



33.2337, 0.3719, 0.4204



33.2337, 0.2890, 0.3985

Sweetspot

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



33.2350, 0.2515, 0.2467



81.9543, 0.2954, 0.3068



56.8714, 0.2727, 0.3525



17.0994, 0.2932, 0.3038



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.



33.2350, 0.2515, 0.2467



41.9920, 0.2367, 0.2251



29.8792, 0.2651, 0.2269



12.4556, 0.2982, 0.3104



4.3392, 0.1569, 0.0847



0.3879, 0.1660, 0.1175

Inverse Universe

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



34.3646, 0.3784, 0.3080



44.5173, 0.4000, 0.3035



60.7125, 0.3497, 0.4226



12.4659, 0.3256, 0.3238



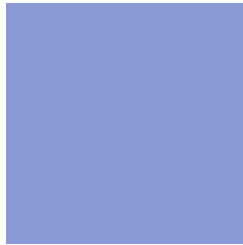
8.7829, 0.5995, 0.3076



0.5425, 0.5502, 0.2805

Previews

White Background



This preview shows how the Yxy color 33.2337, 0.2515, 0.2467 looks on a white background.

Color Contrast Check

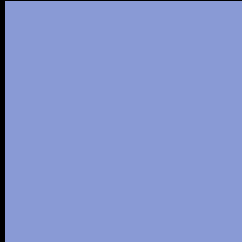
Large Text (above 18pt) WCAG AA × Fail

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 33.2337, 0.2515, 0.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

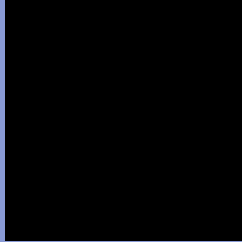
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2337, 0.2515, 0.2467

Background



This preview shows how black text looks on a background with the Yxy color 33.2337, 0.2515, 0.2467.



This preview shows how white text looks on a background with the Yxy color 33.2337, 0.2515, 0.2467.

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

33.2337, 0.2515, 0.2467

Protanopia

33.3186, 0.2523, 0.2469

Deuteranopia

33.3186, 0.2523, 0.2469



Tritanopia

33.1349, 0.2729, 0.3088

Trichromacy



Original Color

33.2337, 0.2515, 0.2467

Protanomaly

33.3186, 0.2523, 0.2469

Deuteranomaly

33.3186, 0.2523, 0.2469

Tritanomaly

32.9099, 0.2646, 0.2840

Monochromacy



Original Color

33.2337, 0.2515, 0.2467

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.0066, 0.2879, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2337, 0.2515, 0.2467 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(137, 154, 213)` looks like.

```
.text, #text, p{  
    color:rgb(137, 154, 213)  
}
```

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(137, 154, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 154, 213) }
```

Border

The CSS property to change the border of an element to Yxy 33.2337, 0.2515, 0.2467 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(137, 154, 213) }
```

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

```
.border{ border-color:rgb(137, 154, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 154, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 154, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 154, 213);  
box-shadow:4px 4px 4px 4px rgb(137, 154,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2337, 0.2515, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 154, 213) }
```

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

```
.background{ background-color: rgb(137,  
154, 213) }
```

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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