

Converting Colors

$Y_{xy}(24.3316, 0.2564, 0.2335)$

Have a look what the booklet for
Yxy(24.3316, 0.2564, 0.2335)
contains.

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Color

Yxy(24.3316, 0.2564, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	8381C0
RGB	131, 129, 192
RGB Percent	51%, 51%, 75%
CMY	0.4865, 0.4940, 0.2471
CMYK	0.32, 0.33, 0.00, 0.25
HSL	242°, 33%, 63%
HSV	242°, 33%, 75%
XYZ	26.7179, 24.3316, 53.1544
YIQ	136.7800, -19.0310, 20.0170

Conversions

Conversions Part 2

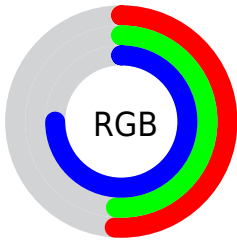
Format	Color
RYB	131, 129, 192
Decimal	8618432
CIELab	56.42, 15.39, -32.62
CIElCh	56, 36.067, 295.254
Yxy	24.3316, 0.2564, 0.2335
Android (android.graphics.Color)	4286808512 (0xFF8381C0)
YUV	136.7800, 27.2235, -5.0691
Hunter-Lab	49.3271, 10.3616, -29.3614

Details

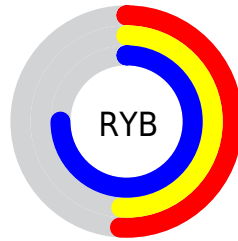
The Yxy color **24.3316, 0.2564, 0.2335** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.2389, 0.3598, 0.4103**, and the grayscale version is **24.8277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7346, 0.2685, 0.2519**, and **9.2346, 0.2364, 0.2044** is the 20% darker color. If you saturate the color by 10%, you get **18.3856, 0.2358, 0.1989**, and if you desaturate by 10%, it is **31.4968, 0.2757, 0.2661**.

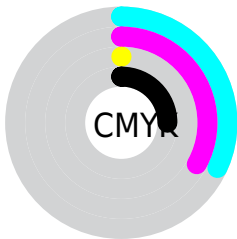
Distribution



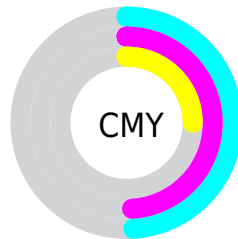
- Red (51%)
- Green (51%)
- Blue (75%)



- Red (51%)
- Yellow (51%)
- Blue (75%)



- Cyan (32%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (49%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3316, 0.2564, 0.2335 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 24.3316, 0.2564, 0.2335 by changing the saturation by 10% instead.

■ 24.3316, 0.2564,
0.2335

■ 24.3316, 0.2564,
0.2335

■ 274.4927, 0.2874,
0.2833

■ 15.5798, 0.2478,
0.2206

■ 50.5708, 0.2683,
0.2520

■ 9.2273, 0.2362,
0.2040

■ 68.8269, 0.2726,
0.2588

■ 4.8897, 0.2201,
0.1817

■ 91.0200, 0.2762,
0.2645

■ 2.1827, 0.1963,
0.1510

■ 117.5344, 0.2791,
0.2694

■ 0.7105, 0.1594,
0.1059

■ 148.7544, 0.2817,
0.2736

■ 0.0000, 0.0000,
0.0000

185.0646, 0.2838,

0.2773

226.8492, 0.2857,
0.2805

■ 24.3316, 0.2564,
0.2335

■ 24.3316, 0.2564,
0.2335

■ 18.3856, 0.2358,
0.1989

■ 31.4968, 0.2757,
0.2661

■ 13.5882, 0.2147,
0.1638

■ 39.9407, 0.2932,
0.2958

■ 9.8662, 0.1946,
0.1306

■ 49.7224, 0.3087,
0.3222

■ 7.1366, 0.1769,
0.1018

■ 60.8964, 0.3222,
0.3453

■ 5.3044, 0.1633,
0.0798

■ 73.5145, 0.3339,
0.3653

■ 4.2561, 0.1545,
0.0661

■ 87.6253, 0.3439,
0.3826

■ 3.8435, 0.1509,
0.0605

■ 96.5856, 0.3502,
0.3910

Harmonies

Analogous

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



24.3316, 0.2173, 0.2353



24.3316, 0.2564, 0.2335



24.3316, 0.3145, 0.2520

Triad

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



24.3316, 0.2564, 0.2335



24.3316, 0.4370, 0.3797



24.3316, 0.2465, 0.3744

Complementary

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



24.3316, 0.2564, 0.2335



50.2389, 0.3598, 0.4103

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.



24.3316, 0.3012, 0.4275



24.3316, 0.2564, 0.2335



24.3316, 0.4124, 0.4217

Square

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



24.3316, 0.2564, 0.2335



24.3316, 0.4248, 0.3317



24.3316, 0.3621, 0.4433



24.3316, 0.2116, 0.3100

Rectangle

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



24.3316, 0.2564, 0.2335



24.3316, 0.3575, 0.2737



24.3316, 0.3621, 0.4433



24.3316, 0.2631, 0.3949

Sweetspot

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



24.3325, 0.2564, 0.2335



76.8138, 0.2975, 0.3031



45.7123, 0.2663, 0.3274



15.9634, 0.2952, 0.2992



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



24.3325, 0.2564, 0.2335



36.5053, 0.2424, 0.2100



27.1466, 0.2854, 0.2408



9.7623, 0.2988, 0.3052



2.5926, 0.1511, 0.0606



0.1172, 0.1552, 0.0629

Inverse Universe

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



30.6325, 0.3184, 0.2508



49.6152, 0.3197, 0.2351



46.7007, 0.3330, 0.4180



10.2420, 0.3142, 0.3070



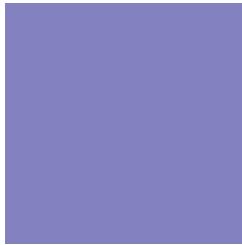
9.9321, 0.3286, 0.1584



0.4308, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 24.3316, 0.2564, 0.2335 looks on a white background.

Color Contrast Check

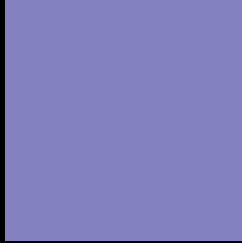
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3316, 0.2564, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

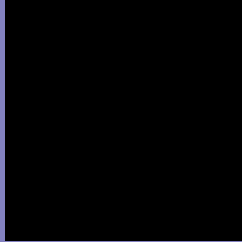
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3316, 0.2564, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 24.3316, 0.2564, 0.2335.



This preview shows how white text looks on a background with the Yxy color 24.3316, 0.2564, 0.2335.

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

24.3316, 0.2564, 0.2335

Protanopia

24.3600, 0.2418, 0.2327

Deuteranopia

24.4566, 0.2447, 0.2394



Tritanopia

24.4845, 0.2853, 0.3099

Trichromacy



Original Color

24.3316, 0.2564, 0.2335

Protanomaly

24.4625, 0.2470, 0.2336

Deuteranomaly

24.3291, 0.2492, 0.2373

Tritanomaly

24.4045, 0.2737, 0.2793

Monochromacy



Original Color

24.3316, 0.2564, 0.2335

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6354, 0.2908, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3316, 0.2564, 0.2335 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(131, 129, 192)` looks like.

```
.text, #text, p{  
    color:rgb(131, 129, 192)  
}
```

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(131, 129, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 129, 192) }
```

Border

The CSS property to change the border of an element to Yxy 24.3316, 0.2564, 0.2335 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(131, 129, 192) }
```

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

```
.border{ border-color:rgb(131, 129, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 129, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 129, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 129, 192);  
box-shadow:4px 4px 4px 4px rgb(131, 129,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3316, 0.2564, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 129, 192) }
```

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

```
.background{ background-color: rgb(131,  
129, 192) }
```

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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