

Converting Colors

$Y_{xy}(32.4375, 0.2456, 0.2150)$

Have a look what the booklet for
Yxy(32.4375, 0.2456, 0.2150)
contains.

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Color

Yxy(32.4299, 0.2455, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	9491E9
RGB	148, 145, 233
RGB Percent	58%, 57%, 91%
CMY	0.4197, 0.4314, 0.0861
CMYK	0.37, 0.38, 0.00, 0.09
HSL	242°, 67%, 74%
HSV	242°, 38%, 91%
XYZ	37.0477, 32.4299, 81.4294
YIQ	155.9290, -26.4600, 28.0040

Conversions

Conversions Part 2

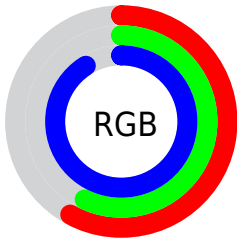
Format	Color
R _Y B	148, 145, 233
Decimal	9736681
CIE Lab	63.70, 21.72, -44.13
CIE LCh	64, 49.186, 296.204
Yxy	32.4299, 0.2455, 0.2149
Android (android.graphics.Color)	4287926761 (0xFF9491E9)
YUV	155.9290, 37.9960, -6.9537
Hunter-Lab	56.9473, 16.4674, -44.9162

Details

The Yxy color **32.4299, 0.2455, 0.2149** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.1805, 0.3672, 0.4235**, and the grayscale version is **33.0483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0460, 0.2795, 0.2681**, and **13.6859, 0.2248, 0.1860** is the 20% darker color. If you saturate the color by 10%, you get **24.1256, 0.2243, 0.1794**, and if you desaturate by 10%, it is **42.6056, 0.2658, 0.2491**.

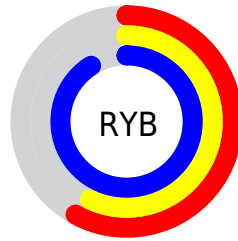
Distribution



Red (58%)

Green (57%)

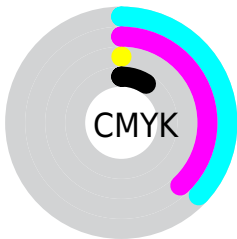
Blue (91%)



Red (58%)

Yellow (57%)

Blue (91%)

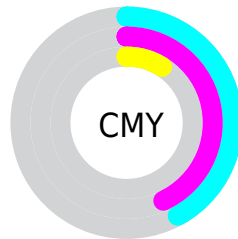


Cyan (37%)

Magenta (38%)

Yellow (0%)

Black (9%)



Cyan (42%)

Magenta (43%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4299, 0.2455, 0.2149 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 32.4299, 0.2455, 0.2149 by changing the saturation by 10% instead.

■ 32.4299, 0.2455,
0.2149

■ 32.4299, 0.2455,
0.2149

■ 313.0730, 0.2807,
0.2705

■ 21.6901, 0.2365,
0.2018

■ 63.4844, 0.2585,
0.2346

■ 13.6293, 0.2250,
0.1856

■ 84.5679, 0.2633,
0.2421

■ 7.8633, 0.2097,
0.1651

■ 109.8681, 0.2674,
0.2486

■ 4.0076, 0.1888,
0.1388

■ 139.7693, 0.2708,
0.2541

■ 1.6778, 0.1593,
0.1047

■ 174.6561, 0.2738,
0.2590

■ 0.4092, 0.1180,
0.0524

■ 214.9126, 0.2764,

■ 0.0000, 0.0000,

0.2633

0.0000

260.9235, 0.2787,
0.2671

■ 32.4299, 0.2455,
0.2149

■ 32.4299, 0.2455,
0.2149

■ 24.1256, 0.2243,
0.1794

■ 42.6056, 0.2658,
0.2491

■ 17.5753, 0.2034,
0.1447

■ 54.7533, 0.2845,
0.2808

■ 12.6542, 0.1842,
0.1133

■ 68.9705, 0.3012,
0.3092

■ 9.2195, 0.1685,
0.0879

■ 85.3475, 0.3158,
0.3343

■ 7.1035, 0.1575,
0.0706

■ 98.6657, 0.3256,
0.3502

■ 6.0827, 0.1516,
0.0617

■ 5.9365, 0.1508,
0.0604

Harmonies

Analogous

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



32.4299, 0.1988, 0.2153



32.4299, 0.2455, 0.2149



32.4299, 0.3164, 0.2376

Triad

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



32.4299, 0.2455, 0.2149



32.4299, 0.4648, 0.3886



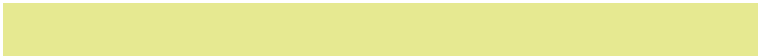
32.4299, 0.2292, 0.3829

Complementary

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



32.4299, 0.2455, 0.2149



77.1805, 0.3672, 0.4235

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.



32.4299, 0.2942, 0.4526



32.4299, 0.2455, 0.2149



32.4299, 0.4313, 0.4411

Square

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



32.4299, 0.2455, 0.2149



32.4299, 0.4529, 0.3316



32.4299, 0.3682, 0.4713



32.4299, 0.1895, 0.3012

Rectangle

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



32.4299, 0.2455, 0.2149



32.4299, 0.3700, 0.2634



32.4299, 0.3682, 0.4713



32.4299, 0.2486, 0.4099

Sweetspot

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



32.4311, 0.2455, 0.2149



78.6082, 0.2959, 0.3003



68.5595, 0.2596, 0.3253



16.3090, 0.2937, 0.2965



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.



32.4311, 0.2455, 0.2149



31.9903, 0.2297, 0.1885



37.3381, 0.2809, 0.2252



14.5732, 0.2985, 0.3047



3.3778, 0.1511, 0.0606



0.2738, 0.1540, 0.0622

Inverse Universe

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



43.2993, 0.3197, 0.2385



47.0619, 0.3211, 0.2220



70.7967, 0.3347, 0.4346



15.3045, 0.3143, 0.3066



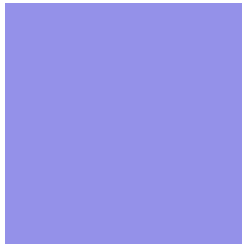
12.9221, 0.3295, 0.1589



1.0175, 0.3282, 0.1582

Previews

White Background



This preview shows how the Yxy color 32.4299, 0.2455, 0.2149 looks on a white background.

Color Contrast Check

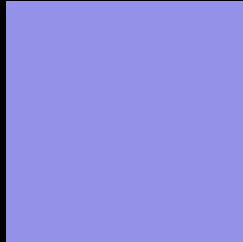
Large Text (above 18pt) WCAG AA × Fail

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 32.4299, 0.2455, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

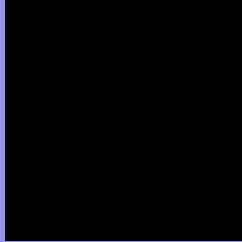
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4299, 0.2455, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 32.4299, 0.2455, 0.2149.



This preview shows how white text looks on a background with the Yxy color 32.4299, 0.2455, 0.2149.

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

32.4299, 0.2455, 0.2149

Protanopia

32.4438, 0.2267, 0.2130

Deuteranopia

32.4739, 0.2289, 0.2224



Tritanopia

32.4623, 0.2798, 0.3088

Trichromacy



Original Color

32.4299, 0.2455, 0.2149

Protanomaly

32.3763, 0.2329, 0.2139

Deuteranomaly

32.3847, 0.2346, 0.2191

Tritanomaly

32.1665, 0.2659, 0.2691

Monochromacy



Original Color

32.4299, 0.2455, 0.2149

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.6895, 0.2856, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4299, 0.2455, 0.2149 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(148, 145, 233)` looks like.

```
.text, #text, p{  
    color:rgb(148, 145, 233)  
}
```

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(148, 145, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 145, 233) }
```

Border

The CSS property to change the border of an element to Yxy 32.4299, 0.2455, 0.2149 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(148, 145, 233) }
```

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

```
.border{ border-color:rgb(148, 145, 233) }
```

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

Here you see how a box with a 4 pixel rgb(148, 145, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 145, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 145, 233);  
box-shadow:4px 4px 4px 4px rgb(148, 145,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4299, 0.2455, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 145, 233) }
```

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

```
.background{ background-color: rgb(148,  
145, 233) }
```

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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