

Converting Colors

$Y_{xy}(32.7624, 0.2421, 0.2395)$

Have a look what the booklet for
Yxy(32.7624, 0.2421, 0.2395)
contains.

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Color

Yxy(32.7624, 0.2421, 0.2395)

Conversions

Conversions Part 1

Format	Color
Hex	809ADA
RGB	128, 154, 218
RGB Percent	50%, 60%, 85%
CMY	0.4979, 0.3961, 0.1451
CMYK	0.41, 0.29, 0.00, 0.15
HSL	223°, 55%, 68%
HSV	223°, 41%, 85%
XYZ	33.1181, 32.7624, 70.9145
YIQ	153.5220, -36.0400, 14.3920

Conversions

Conversions Part 2

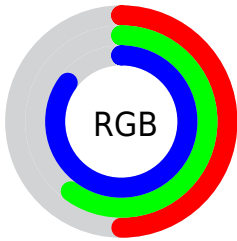
Format	Color
R _Y B	128, 148, 218
Decimal	8428250
CIE Lab	63.97, 7.15, -35.49
CIE LCh	64, 36.200, 281.392
Yxy	32.7624, 0.2421, 0.2395
Android (android.graphics.Color)	4286618330 (0xFF809ADA)
YUV	153.5220, 31.7877, -22.3828
Hunter-Lab	57.2384, 3.1125, -33.3893

Details

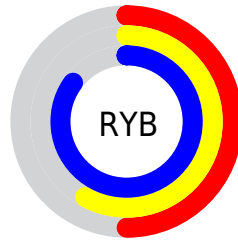
The Yxy color **32.7624, 0.2421, 0.2395** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.1934, 0.3855, 0.4043**, and the grayscale version is **31.9690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5221, 0.2667, 0.2762**, and **13.8007, 0.2210, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **26.4562, 0.2237, 0.2130**, and if you desaturate by 10%, it is **40.0961, 0.2605, 0.2645**.

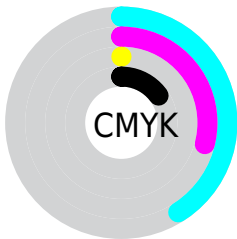
Distribution



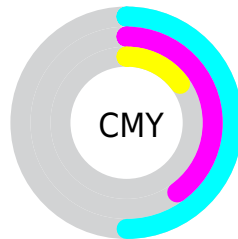
- Red (50%)
- Green (60%)
- Blue (85%)



- Red (50%)
- Yellow (58%)
- Blue (85%)



- Cyan (41%)
- Magenta (29%)
- Yellow (0%)
- Black (15%)



- Cyan (50%)
- Magenta (40%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7624, 0.2421, 0.2395 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 32.7624, 0.2421, 0.2395 by changing the saturation by 10% instead.

■ 32.7624, 0.2421,
0.2395

■ 32.7624, 0.2421,
0.2395

■ 314.5777, 0.2786,
0.2847

■ 21.9445, 0.2328,
0.2283

■ 64.0044, 0.2555,
0.2559

■ 13.8161, 0.2209,
0.2141

■ 85.1973, 0.2605,
0.2621

■ 7.9929, 0.2050,
0.1956

■ 110.6173, 0.2647,
0.2673

■ 4.0904, 0.1833,
0.1707

■ 140.6488, 0.2683,
0.2718

■ 1.7243, 0.1521,
0.1362

■ 175.6762, 0.2714,
0.2756

■ 0.4393, 0.1042,
0.0773

■ 216.0839, 0.2741,

■ 0.0000, 0.0000,

0.2790

0.0000

262.2563, 0.2765,
0.2820

■ 32.7624, 0.2421,
0.2395

■ 32.7624, 0.2421,
0.2395

■ 26.4562, 0.2237,
0.2130

■ 40.0961, 0.2605,
0.2645

■ 21.1251, 0.2060,
0.1857

■ 48.4988, 0.2783,
0.2875

■ 16.7174, 0.1900,
0.1589

■ 58.0140, 0.2952,
0.3083

■ 13.1743, 0.1765,
0.1337

■ 68.6819, 0.3108,
0.3268

■ 10.4291, 0.1662,
0.1115

■ 80.5402, 0.3252,
0.3431

■ 8.6040, 0.1598,
0.0953

■ 92.8876, 0.3356,
0.3576

■ 97.8425, 0.3345,
0.3651

Harmonies

Analogous

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



32.7624, 0.2157, 0.2513



32.7624, 0.2421, 0.2395



32.7624, 0.2885, 0.2482

Triad

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



32.7624, 0.2421, 0.2395



32.7624, 0.4250, 0.3562



32.7624, 0.2741, 0.3950

Complementary

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



32.7624, 0.2421, 0.2395



54.1934, 0.3855, 0.4043

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.



32.7624, 0.3287, 0.4292



32.7624, 0.2421, 0.2395



32.7624, 0.4179, 0.3983

Square

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



32.7624, 0.2421, 0.2395



32.7624, 0.3981, 0.3122



32.7624, 0.3817, 0.4276



32.7624, 0.2323, 0.3386

Rectangle

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



32.7624, 0.2421, 0.2395



32.7624, 0.3266, 0.2637



32.7624, 0.3817, 0.4276



32.7624, 0.2916, 0.4101

Sweetspot

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



32.7636, 0.2421, 0.2395



81.5369, 0.2938, 0.3067



58.5033, 0.2708, 0.3652



17.0535, 0.2916, 0.3040



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.



32.7636, 0.2421, 0.2395



38.4194, 0.2252, 0.2152



26.6267, 0.2506, 0.2070



13.2259, 0.2981, 0.3119



5.3148, 0.1605, 0.0978



0.4904, 0.1695, 0.1303

Inverse Universe

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



32.6897, 0.3868, 0.2977



39.2584, 0.4127, 0.2913



63.9896, 0.3597, 0.4359



13.1130, 0.3247, 0.3223



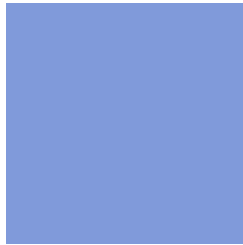
9.1603, 0.5792, 0.2964



0.6082, 0.5323, 0.2706

Previews

White Background



This preview shows how the Yxy color 32.7624, 0.2421, 0.2395 looks on a white background.

Color Contrast Check

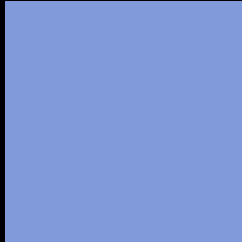
Large Text (above 18pt) WCAG AA × Fail

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 32.7624, 0.2421, 0.2395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

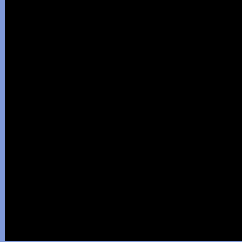
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

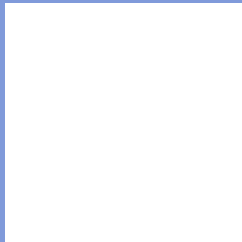
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7624, 0.2421, 0.2395

Background



This preview shows how black text looks on a background with the Yxy color 32.7624, 0.2421, 0.2395.



This preview shows how white text looks on a background with the Yxy color 32.7624, 0.2421, 0.2395.

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

32.7624, 0.2421, 0.2395

Protanopia

32.6171, 0.2472, 0.2389

Deuteranopia

32.7500, 0.2446, 0.2387



Tritanopia

32.7177, 0.2638, 0.3083

Trichromacy



Original Color

32.7624, 0.2421, 0.2395

Protanomaly

32.6978, 0.2452, 0.2399

Deuteranomaly

32.6697, 0.2439, 0.2386

Tritanomaly

32.6228, 0.2552, 0.2804

Monochromacy



Original Color

32.7624, 0.2421, 0.2395

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3053, 0.2842, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7624, 0.2421, 0.2395 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(128, 154, 218)` looks like.

```
.text, #text, p{  
    color:rgb(128, 154, 218)  
}
```

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(128, 154, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 154, 218) }
```

Border

The CSS property to change the border of an element to Yxy 32.7624, 0.2421, 0.2395 is called "border". The border property can be set on classes, ids or directly on the HTML element.

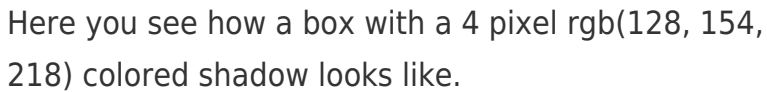
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 154, 218) }
```

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

```
.border{ border-color:rgb(128, 154, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 154, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 154, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 154, 218);  
box-shadow:4px 4px 4px 4px rgb(128, 154,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7624, 0.2421, 0.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 154, 218) }
```

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

```
.background{ background-color: rgb(128,  
154, 218) }
```

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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