

Converting Colors

$Y_{xy}(32.9829, 0.2381, 0.2309)$

Have a look what the booklet for
Yxy(32.9829, 0.2381, 0.2309)
contains.

Yxy(32.8079, 0.2378, 0.2303)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8079, 0.2378, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	8099E1
RGB	128, 153, 225
RGB Percent	50%, 60%, 88%
CMY	0.4982, 0.3999, 0.1177
CMYK	0.43, 0.32, 0.00, 0.12
HSL	224°, 62%, 69%
HSV	224°, 43%, 88%
XYZ	33.8763, 32.8079, 75.7730
YIQ	153.7330, -38.0120, 17.0920

Conversions

Conversions Part 2

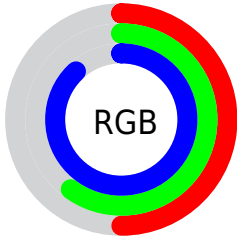
Format	Color
RYB	128, 148, 225
Decimal	8428001
CIELab	64.01, 9.66, -39.29
CIElCh	64, 40.464, 283.806
Yxy	32.8079, 0.2378, 0.2303
Android (android.graphics.Color)	4286618081 (0xFF8099E1)
YUV	153.7330, 35.1346, -22.5678
Hunter-Lab	57.2782, 5.3344, -38.3397

Details

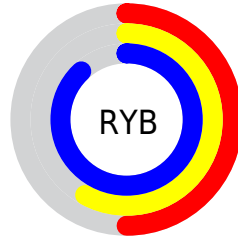
The Yxy color **32.8079, 0.2378, 0.2303** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.8340, 0.3880, 0.4107**, and the grayscale version is **32.0443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0360, 0.2666, 0.2750**, and **13.7838, 0.2160, 0.2031** is the 20% darker color. If you saturate the color by 10%, you get **26.1680, 0.2191, 0.2024**, and if you desaturate by 10%, it is **40.6008, 0.2566, 0.2568**.

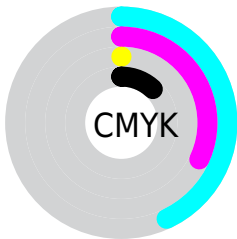
Distribution



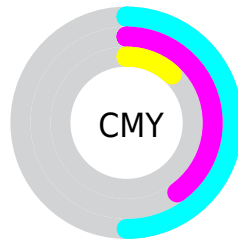
- Red (50%)
- Green (60%)
- Blue (88%)



- Red (50%)
- Yellow (58%)
- Blue (88%)



- Cyan (43%)
- Magenta (32%)
- Yellow (0%)
- Black (12%)





- Cyan (50%)
- Magenta (40%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8079, 0.2378, 0.2303 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 32.8079, 0.2378, 0.2303 by changing the saturation by 10% instead.


 32.8079, 0.2378,
0.2303


 32.8079, 0.2378,
0.2303


314.7832, 0.2764,
0.2796


 21.9793, 0.2281,
0.2183


 64.0755, 0.2520,
0.2480

 13.8417, 0.2156,
0.2032


 85.2833, 0.2572,
0.2548

 8.0107, 0.1991,
0.1837


 110.7197, 0.2617,
0.2605

 4.1018, 0.1768,
0.1580

140.7689, 0.2655,
0.2654

 1.7307, 0.1454,
0.1233

175.8155, 0.2688,
0.2696

 0.4434, 0.1001,
0.0675

216.2439, 0.2716,

 0.0000, 0.0000,

0.2734

0.0000

262.4383, 0.2742,
0.2767

■ 32.8079, 0.2378,
0.2303

■ 32.8079, 0.2378,
0.2303

■ 26.1680, 0.2191,
0.2024

■ 40.6008, 0.2566,
0.2568

■ 20.6201, 0.2012,
0.1742

■ 49.5963, 0.2748,
0.2813

■ 16.1027, 0.1853,
0.1468

■ 59.8454, 0.2920,
0.3035

■ 12.5459, 0.1722,
0.1218

■ 71.3947, 0.3080,
0.3233

■ 9.8697, 0.1626,
0.1006

■ 84.2888, 0.3226,
0.3407

■ 8.4744, 0.1580,
0.0886

■ 97.0324, 0.3306,
0.3564

■ 98.2157, 0.3304,
0.3582

Harmonies

Analogous

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



32.8079, 0.2071, 0.2408



32.8079, 0.2378, 0.2303



32.8079, 0.2903, 0.2416

Triad

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



32.8079, 0.2378, 0.2303



32.8079, 0.4388, 0.3618



32.8079, 0.2649, 0.3989

Complementary

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



32.8079, 0.2378, 0.2303



58.8340, 0.3880, 0.4107

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.



32.8079, 0.3247, 0.4404



32.8079, 0.2378, 0.2303



32.8079, 0.4272, 0.4081

Square

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



32.8079, 0.2378, 0.2303



32.8079, 0.4119, 0.3135



32.8079, 0.3843, 0.4403



32.8079, 0.2208, 0.3339

Rectangle

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



32.8079, 0.2378, 0.2303



32.8079, 0.3331, 0.2596



32.8079, 0.3843, 0.4403



32.8079, 0.2838, 0.4168

Sweetspot

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



32.8091, 0.2378, 0.2303



79.5503, 0.2921, 0.3036



62.5585, 0.2676, 0.3628



16.3476, 0.2884, 0.2989



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.



32.8091, 0.2378, 0.2303



35.3848, 0.2205, 0.2046



27.4005, 0.2497, 0.2013



13.8161, 0.2981, 0.3111



5.0444, 0.1586, 0.0911



0.4928, 0.1669, 0.1208

Inverse Universe

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



33.7310, 0.3955, 0.2997



37.7001, 0.4237, 0.2942



68.0067, 0.3591, 0.4419



13.7584, 0.3252, 0.3230



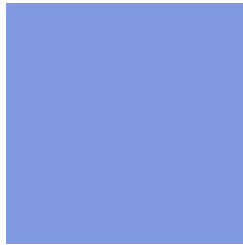
9.4173, 0.5895, 0.3021



0.6672, 0.5454, 0.2778

Previews

White Background



This preview shows how the Yxy color 32.8079, 0.2378, 0.2303 looks on a white background.

Color Contrast Check

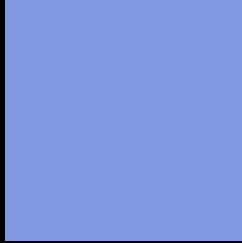
Large Text (above 18pt) WCAG AA × Fail

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 32.8079, 0.2378, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

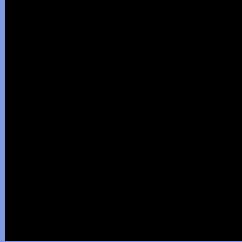
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8079, 0.2378, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 32.8079, 0.2378, 0.2303.



This preview shows how white text looks on a background with the Yxy color 32.8079, 0.2378, 0.2303.

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

32.8079, 0.2378, 0.2303

Protanopia

32.6636, 0.2402, 0.2305

Deuteranopia

32.6543, 0.2365, 0.2299



Tritanopia

32.9738, 0.2619, 0.3083

Trichromacy



Original Color

32.8079, 0.2378, 0.2303

Protanomaly

32.5841, 0.2395, 0.2303

Deuteranomaly

32.7307, 0.2372, 0.2301

Tritanomaly

32.6844, 0.2525, 0.2762

Monochromacy



Original Color

32.8079, 0.2378, 0.2303

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.4262, 0.2818, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8079, 0.2378, 0.2303 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, 153, 225)` looks like.

```
.text, #text, p{  
    color:rgb(128, 153, 225)  
}
```

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, 153, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 153, 225) }
```

Border

The CSS property to change the border of an element to Yxy 32.8079, 0.2378, 0.2303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

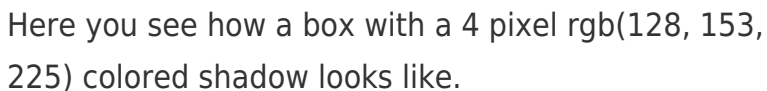
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 153, 225) }
```

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

```
.border{ border-color:rgb(128, 153, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 153, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 153, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 153, 225); box-shadow:4px 4px 4px 4px rgb(128, 153, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8079, 0.2378, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 153, 225) }
```

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

```
.background{ background-color: rgb(128,  
153, 225) }
```

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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