

Converting Colors

$Y_{xy}(32.2590, 0.2376, 0.2275)$

Have a look what the booklet for
Yxy(32.2590, 0.2376, 0.2275)
contains.

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Color

Yxy(32.2366, 0.2380, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	8197E1
RGB	129, 151, 225
RGB Percent	51%, 59%, 88%
CMY	0.4942, 0.4078, 0.1176
CMYK	0.43, 0.33, 0.00, 0.12
HSL	226°, 62%, 69%
HSV	226°, 43%, 88%
XYZ	33.7096, 32.2366, 75.6909
YIQ	152.8580, -36.8660, 18.3500

Conversions

Conversions Part 2

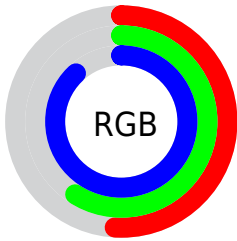
Format	Color
R_{YB}	129, 147, 225
Decimal	8493025
CIE _{Lab}	63.54, 11.09, -40.04
CIE _{LCh}	64, 41.543, 285.478
Yxy	32.2366, 0.2380, 0.2276
Android (android.graphics.Color)	4286683105 (0xFF8197E1)
YUV	152.8580, 35.5660, -20.9235
Hunter-Lab	56.7773, 6.6182, -39.2965

Details

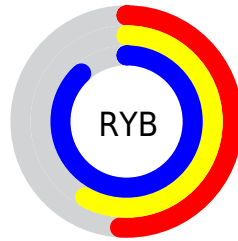
The Yxy color **32.2366, 0.2380, 0.2276** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.3030, 0.3858, 0.4127**, and the grayscale version is **31.6443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1969, 0.2669, 0.2728**, and **13.4348, 0.2160, 0.1995** is the 20% darker color. If you saturate the color by 10%, you get **25.4883, 0.2189, 0.1987**, and if you desaturate by 10%, it is **40.1962, 0.2571, 0.2551**.

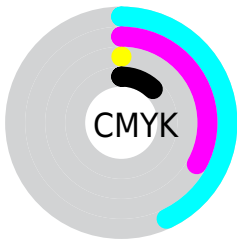
Distribution



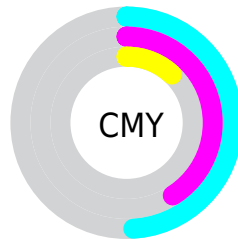
- Red (51%)
- Green (59%)
- Blue (88%)



- Red (51%)
- Yellow (58%)
- Blue (88%)



- Cyan (43%)
- Magenta (33%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (41%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2366, 0.2380, 0.2276 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 32.2366, 0.2380, 0.2276 by changing the saturation by 10% instead.

■ 32.2366, 0.2380,
0.2276

■ 32.2366, 0.2380,
0.2276

■ 312.1956, 0.2766,
0.2782

■ 21.5423, 0.2282,
0.2153

■ 63.1818, 0.2522,
0.2458

■ 13.5210, 0.2157,
0.1999

■ 84.2015, 0.2575,
0.2527

■ 7.7883, 0.1991,
0.1800

■ 109.4318, 0.2619,
0.2585

■ 3.9598, 0.1766,
0.1538

■ 139.2570, 0.2658,
0.2636

■ 1.6511, 0.1449,
0.1187

■ 174.0616, 0.2690,
0.2680

■ 0.3917, 0.0991,
0.0604

■ 214.2300, 0.2719,

■ 0.0000, 0.0000,

0.2718

0.0000

260.1465, 0.2744,
0.2752

■ 32.2366, 0.2380,
0.2276

■ 32.2366, 0.2380,
0.2276

■ 25.4883, 0.2189,
0.1987

■ 40.1962, 0.2571,
0.2551

■ 19.8863, 0.2007,
0.1696

■ 49.4206, 0.2755,
0.2805

■ 15.3646, 0.1843,
0.1416

■ 59.9640, 0.2928,
0.3035

■ 11.8484, 0.1710,
0.1163

■ 71.8765, 0.3087,
0.3239

■ 9.2521, 0.1613,
0.0953

■ 85.2057, 0.3232,
0.3419

■ 7.8579, 0.1564,
0.0830

■ 98.2171, 0.3303,
0.3581

Harmonies

Analogous

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



32.2366, 0.2052, 0.2369



32.2366, 0.2380, 0.2276



32.2366, 0.2930, 0.2404

Triad

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



32.2366, 0.2380, 0.2276



32.2366, 0.4433, 0.3651



32.2366, 0.2601, 0.3980

Complementary

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



32.2366, 0.2380, 0.2276



60.3030, 0.3858, 0.4127

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.



32.2366, 0.3212, 0.4431



32.2366, 0.2380, 0.2276



32.2366, 0.4289, 0.4125

Square

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



32.2366, 0.2380, 0.2276



32.2366, 0.4177, 0.3155



32.2366, 0.3831, 0.4449



32.2366, 0.2161, 0.3301

Rectangle

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



32.2366, 0.2380, 0.2276



32.2366, 0.3375, 0.2595



32.2366, 0.3831, 0.4449



32.2366, 0.2793, 0.4172

Sweetspot

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



32.2378, 0.2380, 0.2276



79.0152, 0.2921, 0.3026



62.8181, 0.2662, 0.3580



16.2169, 0.2883, 0.2977



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.



32.2378, 0.2380, 0.2276



34.9439, 0.2214, 0.2026



28.0610, 0.2532, 0.2037



13.7508, 0.2981, 0.3104



4.6740, 0.1571, 0.0853



0.4590, 0.1651, 0.1141

Inverse Universe

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



33.9404, 0.3975, 0.3033



38.2736, 0.4250, 0.2986



67.6416, 0.3562, 0.4417



13.7518, 0.3256, 0.3236



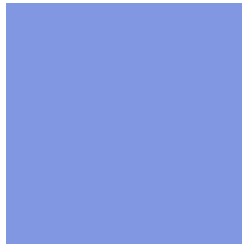
9.3799, 0.5985, 0.3071



0.6638, 0.5550, 0.2831

Previews

White Background



This preview shows how the Yxy color 32.2366, 0.2380, 0.2276 looks on a white background.

Color Contrast Check

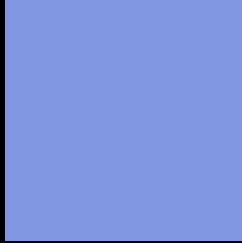
Large Text (above 18pt) WCAG AA × Fail

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 32.2366, 0.2380, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

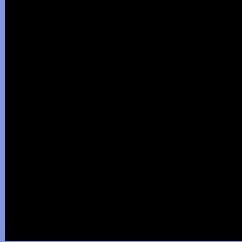
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2366, 0.2380, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 32.2366, 0.2380, 0.2276.



This preview shows how white text looks on a background with the Yxy color 32.2366, 0.2380, 0.2276.

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

32.2366, 0.2380, 0.2276

Protanopia

32.2366, 0.2380, 0.2276

Deuteranopia

32.1778, 0.2350, 0.2282



Tritanopia

32.1906, 0.2628, 0.3082

Trichromacy



Original Color

32.2366, 0.2380, 0.2276

Protanomaly

32.2366, 0.2380, 0.2276

Deuteranomaly

32.3283, 0.2363, 0.2285

Tritanomaly

31.9573, 0.2527, 0.2744

Monochromacy



Original Color

32.2366, 0.2380, 0.2276

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.6404, 0.2815, 0.2886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2366, 0.2380, 0.2276 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(129, 151, 225)` looks like.

```
.text, #text, p{  
    color:rgb(129, 151, 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(129, 151, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 151, 225) }
```

Border

The CSS property to change the border of an element to Yxy 32.2366, 0.2380, 0.2276 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(129, 151, 225) }
```

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

```
.border{ border-color:rgb(129, 151, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 151, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 151, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 151, 225);  
box-shadow:4px 4px 4px 4px rgb(129, 151,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2366, 0.2380, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 151, 225) }
```

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

```
.background{ background-color: rgb(129,  
151, 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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