

Converting Colors

$Y_{xy}(32.1672, 0.2367, 0.2222)$

Have a look what the booklet for
Yxy(32.1672, 0.2367, 0.2222)
contains.

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Color

Yxy(32.2951, 0.2369, 0.2223)

Conversions

Conversions Part 1

Format	Color
Hex	8396E5
RGB	131, 150, 229
RGB Percent	51%, 59%, 90%
CMY	0.4861, 0.4118, 0.1019
CMYK	0.43, 0.35, 0.00, 0.10
HSL	228°, 65%, 71%
HSV	228°, 43%, 90%
XYZ	34.4161, 32.2951, 78.5659
YIQ	153.3250, -36.6830, 20.5410

Conversions

Conversions Part 2

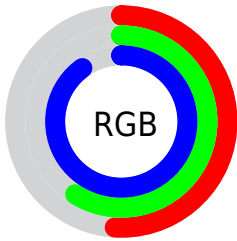
Format	Color
R _Y B	131, 147, 229
Decimal	8623845
CIE Lab	63.59, 13.34, -42.17
CIE LCh	64, 44.227, 287.549
Yxy	32.2951, 0.2369, 0.2223
Android (android.graphics.Color)	4286813925 (0xFF8396E5)
YUV	153.3250, 37.3078, -19.5790
Hunter-Lab	56.8288, 8.6512, -42.1884

Details

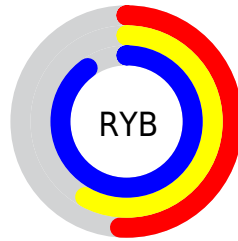
The Yxy color **32.2951, 0.2369, 0.2223** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.4330, 0.3845, 0.4165**, and the grayscale version is **31.8540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9705, 0.2681, 0.2718**, and **13.6273, 0.2143, 0.1947** is the 20% darker color. If you saturate the color by 10%, you get **25.2268, 0.2174, 0.1922**, and if you desaturate by 10%, it is **40.6994, 0.2564, 0.2511**.

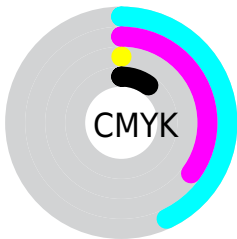
Distribution



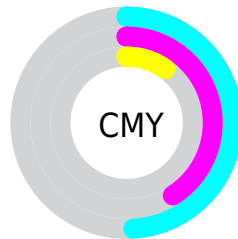
- Red (51%)
- Green (59%)
- Blue (90%)



- Red (51%)
- Yellow (58%)
- Blue (90%)



- Cyan (43%)
- Magenta (35%)
- Yellow (0%)
- Black (10%)





- Cyan (49%)
- Magenta (41%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2951, 0.2369, 0.2223 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 32.2951, 0.2369, 0.2223 by changing the saturation by 10% instead.


 32.2951, 0.2369,
0.2223


 32.2951, 0.2369,
0.2223


312.4613, 0.2761,
0.2751

 21.5870, 0.2270,
0.2096


 63.2734, 0.2513,
0.2412

 13.5538, 0.2143,
0.1937


 84.3124, 0.2567,
0.2484

 7.8110, 0.1977,
0.1735


 109.5639, 0.2612,
0.2545

 3.9742, 0.1751,
0.1470

139.4122, 0.2650,
0.2598

 1.6592, 0.1436,
0.1121

174.2416, 0.2684,
0.2644

 0.3970, 0.0996,
0.0562

214.4367, 0.2713,

 0.0000, 0.0000,

0.2684

0.0000

260.3818, 0.2738,
0.2720

■ 32.2951, 0.2369,
0.2223

■ 32.2951, 0.2369,
0.2223

■ 25.2268, 0.2174,
0.1922

■ 40.6994, 0.2564,
0.2511

■ 19.4205, 0.1987,
0.1620

■ 50.5012, 0.2751,
0.2778

■ 14.8003, 0.1821,
0.1334

■ 61.7623, 0.2926,
0.3020

■ 11.2802, 0.1687,
0.1082

■ 74.5398, 0.3085,
0.3235

■ 8.7614, 0.1592,
0.0879

■ 88.8877, 0.3230,
0.3424

■ 7.4815, 0.1547,
0.0769

■ 98.4385, 0.3279,
0.3542

Harmonies

Analogous

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



32.2951, 0.2009, 0.2300



32.2951, 0.2369, 0.2223



32.2951, 0.2963, 0.2373

Triad

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



32.2951, 0.2369, 0.2223



32.2951, 0.4517, 0.3700



32.2951, 0.2527, 0.3981

Complementary

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



32.2951, 0.2369, 0.2223



64.4330, 0.3845, 0.4165

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.



32.2951, 0.3164, 0.4493



32.2951, 0.2369, 0.2223



32.2951, 0.4332, 0.4198

Square

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



32.2951, 0.2369, 0.2223



32.2951, 0.4276, 0.3178



32.2951, 0.3826, 0.4534



32.2951, 0.2082, 0.3247

Rectangle

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



32.2951, 0.2369, 0.2223



32.2951, 0.3438, 0.2581



32.2951, 0.3826, 0.4534



32.2951, 0.2725, 0.4195

Sweetspot

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



32.2963, 0.2369, 0.2223



78.3562, 0.2921, 0.3013



65.5055, 0.2644, 0.3538



16.0561, 0.2883, 0.2962



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.



32.2963, 0.2369, 0.2223



33.4205, 0.2202, 0.1967



29.4208, 0.2556, 0.2041



14.3360, 0.2980, 0.3095



4.4084, 0.1553, 0.0789



0.4531, 0.1623, 0.1044

Inverse Universe

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



35.1074, 0.4021, 0.3073



38.1198, 0.4306, 0.3035



69.9205, 0.3539, 0.4431



14.4133, 0.3262, 0.3245



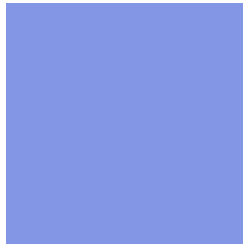
9.6427, 0.6087, 0.3127



0.7254, 0.5693, 0.2910

Previews

White Background



This preview shows how the Yxy color 32.2951, 0.2369, 0.2223 looks on a white background.

Color Contrast Check

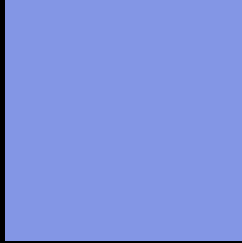
Large Text (above 18pt) WCAG AA × Fail

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 32.2951, 0.2369, 0.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

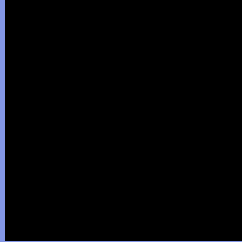
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2951, 0.2369, 0.2223

Background



This preview shows how black text looks on a background with the Yxy color 32.2951, 0.2369, 0.2223.



This preview shows how white text looks on a background with the Yxy color 32.2951, 0.2369, 0.2223.

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

32.2951, 0.2369, 0.2223

Protanopia

32.3584, 0.2339, 0.2220

Deuteranopia

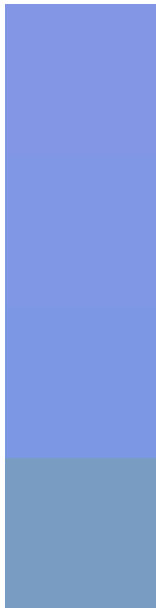
32.3770, 0.2311, 0.2258



Tritanopia

32.2587, 0.2636, 0.3082

Trichromacy



Original Color

32.2951, 0.2369, 0.2223

Protanomaly

32.4356, 0.2346, 0.2222

Deuteranomaly

32.3430, 0.2333, 0.2250

Tritanomaly

32.0739, 0.2528, 0.2732

Monochromacy



Original Color

32.2951, 0.2369, 0.2223

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.8124, 0.2808, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2951, 0.2369, 0.2223 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, 150, 229)` looks like.

```
.text, #text, p{  
    color:rgb(131, 150, 229)  
}
```

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, 150, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 150, 229) }
```

Border

The CSS property to change the border of an element to Yxy 32.2951, 0.2369, 0.2223 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, 150, 229) }
```

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

```
.border{ border-color:rgb(131, 150, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 150, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 150, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 150, 229); box-shadow:4px 4px 4px 4px rgb(131, 150, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2951, 0.2369, 0.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 150, 229) }
```

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

```
.background{ background-color: rgb(131,  
150, 229) }
```

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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