

Converting Colors

$Y_{xy}(32.7529, 0.2273, 0.2079)$

Have a look what the booklet for
Yxy(32.7529, 0.2273, 0.2079)
contains.

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Color

Yxy(32.7958, 0.2270, 0.2077)

Conversions

Conversions Part 1

Format	Color
Hex	7F96F3
RGB	127, 150, 243
RGB Percent	50%, 59%, 95%
CMY	0.5018, 0.4118, 0.0469
CMYK	0.48, 0.38, 0.00, 0.05
HSL	228°, 83%, 73%
HSV	228°, 48%, 95%
XYZ	35.8433, 32.7958, 89.2608
YIQ	153.7250, -43.5610, 24.0470

Conversions

Conversions Part 2

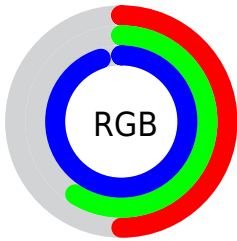
Format	Color
R _Y B	127, 146, 243
Decimal	8361715
CIE Lab	64.00, 16.43, -49.26
CIE LCh	64, 51.927, 288.447
Yxy	32.7958, 0.2270, 0.2077
Android (android.graphics.Color)	4286551795 (0xFF7F96F3)
YUV	153.7250, 44.0126, -23.4378
Hunter-Lab	57.2676, 11.5032, -52.3257

Details

The Yxy color **32.7958, 0.2270, 0.2077** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.8197, 0.3937, 0.4257**, and the grayscale version is **32.0092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7200, 0.2668, 0.2716**, and **13.8885, 0.2026, 0.1781** is the 20% darker color. If you saturate the color by 10%, you get **25.4382, 0.2078, 0.1774**, and if you desaturate by 10%, it is **41.6405, 0.2466, 0.2373**.

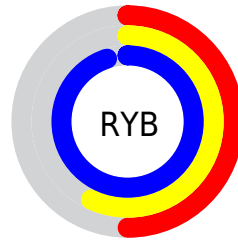
Distribution



Red (50%)

Green (59%)

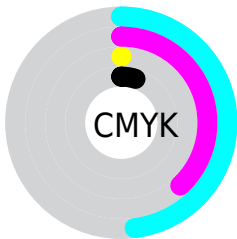
Blue (95%)



Red (50%)

Yellow (57%)

Blue (95%)

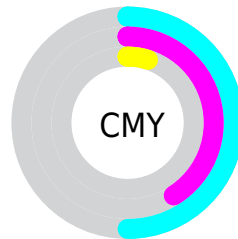


Cyan (48%)

Magenta (38%)

Yellow (0%)

Black (5%)



Cyan (50%)


Magenta (41%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7958, 0.2270, 0.2077 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 32.7958, 0.2270, 0.2077 by changing the saturation by 10% instead.


 32.7958, 0.2270,
0.2077


 32.7958, 0.2270,
0.2077


314.7286, 0.2708,
0.2666

 21.9701, 0.2162,
0.1940


 64.0566, 0.2429,
0.2284

 13.8349, 0.2025,
0.1771


 85.2604, 0.2489,
0.2364

 8.0059, 0.1848,
0.1560

 110.6924, 0.2540,
0.2433

 4.0987, 0.1615,
0.1293

140.7370, 0.2583,
0.2492

 1.7289, 0.1300,
0.0956

175.7785, 0.2621,
0.2544

 0.4423, 0.0888,
0.0478

216.2013, 0.2654,

 0.0000, 0.0000,

0.2589

0.0000

262.3899, 0.2683,
0.2630

■ 32.7958, 0.2270,
0.2077

■ 32.7958, 0.2270,
0.2077

■ 25.4382, 0.2078,
0.1774

■ 41.6405, 0.2466,
0.2373

■ 19.4803, 0.1900,
0.1478

■ 52.0462, 0.2658,
0.2651

■ 14.8303, 0.1749,
0.1207

■ 64.0857, 0.2840,
0.2905

■ 11.3832, 0.1635,
0.0978

■ 77.8263, 0.3008,
0.3132

■ 9.0116, 0.1561,
0.0804

■ 93.3313, 0.3160,
0.3333

■ 8.5951, 0.1548,
0.0771

■ 99.2531, 0.3197,
0.3405

Harmonies

Analogous

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



32.7958, 0.1861, 0.2146



32.7958, 0.2270, 0.2077



32.7958, 0.2953, 0.2255

Triad

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



32.7958, 0.2270, 0.2077



32.7958, 0.4740, 0.3748



32.7958, 0.2404, 0.4083

Complementary

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



32.7958, 0.2270, 0.2077



71.8197, 0.3937, 0.4257

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.



32.7958, 0.3126, 0.4709



32.7958, 0.2270, 0.2077



32.7958, 0.4493, 0.4324

Square

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



32.7958, 0.2270, 0.2077



32.7958, 0.4486, 0.3162



32.7958, 0.3890, 0.4739



32.7958, 0.1916, 0.3200

Rectangle

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



32.7958, 0.2270, 0.2077



32.7958, 0.3508, 0.2491



32.7958, 0.3890, 0.4739



32.7958, 0.2627, 0.4346

Sweetspot

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



32.7970, 0.2270, 0.2077



76.9183, 0.2904, 0.2992



73.7940, 0.2601, 0.3573



15.7755, 0.2867, 0.2941



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.



32.7970, 0.2270, 0.2077



28.8092, 0.2089, 0.1792



29.3239, 0.2471, 0.1875



16.4576, 0.2979, 0.3094



4.8648, 0.1554, 0.0793



0.5657, 0.1613, 0.1006

Inverse Universe

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



36.4492, 0.4181, 0.3043



34.1835, 0.4521, 0.3007



79.0979, 0.3579, 0.4568



16.5361, 0.3262, 0.3243



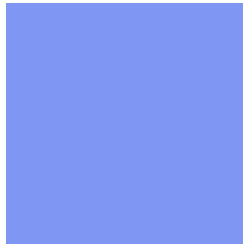
10.5905, 0.6081, 0.3124



0.9447, 0.5750, 0.2941

Previews

White Background



This preview shows how the Yxy color 32.7958, 0.2270, 0.2077 looks on a white background.

Color Contrast Check

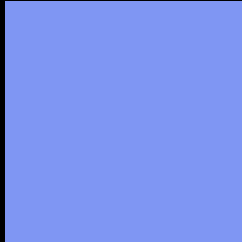
Large Text (above 18pt) WCAG AA × Fail

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 32.7958, 0.2270, 0.2077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

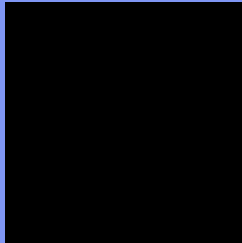
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7958, 0.2270, 0.2077

Background



This preview shows how black text looks on a background with the Yxy color 32.7958, 0.2270, 0.2077.



This preview shows how white text looks on a background with the Yxy color 32.7958, 0.2270, 0.2077.

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

32.7958, 0.2270, 0.2077

Protanopia

32.9812, 0.2229, 0.2082

Deuteranopia

33.0416, 0.2181, 0.2124



Tritanopia

32.8510, 0.2558, 0.3081

Trichromacy



Original Color

32.7958, 0.2270, 0.2077

Protanomaly

32.8758, 0.2244, 0.2074

Deuteranomaly

32.8381, 0.2213, 0.2107

Tritanomaly

32.5907, 0.2440, 0.2662

Monochromacy



Original Color

32.7958, 0.2270, 0.2077

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.2569, 0.2761, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7958, 0.2270, 0.2077 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(127, 150, 243)` looks like.

```
.text, #text, p{  
    color:rgb(127, 150, 243)  
}
```

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(127, 150, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 150, 243) }
```

Border

The CSS property to change the border of an element to Yxy 32.7958, 0.2270, 0.2077 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(127, 150, 243) }
```

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

```
.border{ border-color:rgb(127, 150, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 150, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 150, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 150, 243);  
box-shadow:4px 4px 4px 4px rgb(127, 150,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7958, 0.2270, 0.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 150, 243) }
```

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

```
.background{ background-color: rgb(127,  
150, 243) }
```

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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