

Converting Colors

$Y_{xy}(32.2313, 0.2130, 0.2039)$

Have a look what the booklet for
Yxy(32.2313, 0.2130, 0.2039)
contains.

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Color

Yxy(32.3814, 0.2129, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	6799F7
RGB	103, 153, 247
RGB Percent	40%, 60%, 97%
CMY	0.5961, 0.4000, 0.0312
CMYK	0.58, 0.38, 0.00, 0.03
HSL	219°, 90%, 69%
HSV	219°, 58%, 97%
XYZ	33.7776, 32.3814, 92.4956
YIQ	148.7660, -59.9740, 18.6340

Conversions

Conversions Part 2

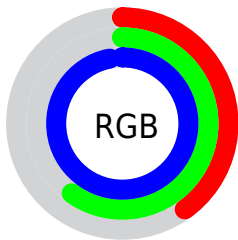
Format	Color
R _Y B	103, 140, 247
Decimal	6789623
CIE Lab	63.66, 10.81, -52.08
CIE LCh	64, 53.187, 281.729
Yxy	32.3814, 0.2129, 0.2041
Android (android.graphics.Color)	4284979703 (0xFF6799F7)
YUV	148.7660, 48.4294, -40.1368
Hunter-Lab	56.9047, 6.3712, -56.5396

Details

The Yxy color **32.3814, 0.2129, 0.2041** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.7143, 0.4256, 0.4250**, and the grayscale version is **29.7644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6322, 0.2541, 0.2732**, and **13.6794, 0.1857, 0.1733** is the 20% darker color. If you saturate the color by 10%, you get **26.2033, 0.1970, 0.1787**, and if you desaturate by 10%, it is **39.7068, 0.2302, 0.2293**.

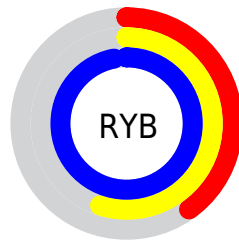
Distribution



Red (40%)

Green (60%)

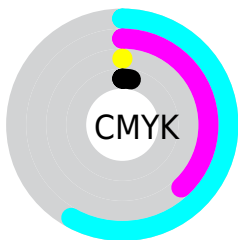
Blue (97%)



Red (40%)

Yellow (55%)

Blue (97%)

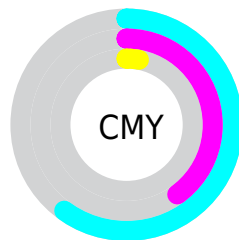


Cyan (58%)

Magenta (38%)

Yellow (0%)

Black (3%)



Cyan (60%)


Magenta (40%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3814, 0.2129, 0.2041 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 32.3814, 0.2129, 0.2041 by changing the saturation by 10% instead.


 32.3814, 0.2129,
0.2041


 32.3814, 0.2129,
0.2041


312.8530, 0.2632,
0.2650

 21.6530, 0.2007,
0.1899


 63.4085, 0.2310,
0.2256

 13.6021, 0.1855,
0.1725


 84.4760, 0.2379,
0.2338

 7.8445, 0.1662,
0.1508


 109.7587, 0.2437,
0.2409

 3.9956, 0.1411,
0.1235

139.6409, 0.2487,
0.2471

 1.6711, 0.1086,
0.0896

174.5070, 0.2531,
0.2524

 0.4048, 0.0669,
0.0417

214.7415, 0.2569,

 0.0000, 0.0000,

0.2571

0.0000

260.7287, 0.2602,
0.2613

■ 32.3814, 0.2129,
0.2041

■ 32.3814, 0.2129,
0.2041

■ 26.2033, 0.1970,
0.1787

■ 39.7068, 0.2302,
0.2293

■ 21.1016, 0.1832,
0.1541

■ 48.2375, 0.2481,
0.2535

■ 17.0005, 0.1724,
0.1313

■ 58.0311, 0.2660,
0.2760

■ 13.8027, 0.1646,
0.1115

■ 69.1402, 0.2834,
0.2966

■ 13.3321, 0.1635,
0.1084

■ 81.6141, 0.2998,
0.3152

95.4995, 0.3152,
0.3317

99.4977, 0.3173,
0.3366

Harmonies

Analogous

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



32.3814, 0.1778, 0.2172



32.3814, 0.2129, 0.2041



32.3814, 0.2769, 0.2170

Triad

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



32.3814, 0.2129, 0.2041



32.3814, 0.4773, 0.3617



32.3814, 0.2533, 0.4295

Complementary

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



32.3814, 0.2129, 0.2041



60.7143, 0.4256, 0.4250

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.



32.3814, 0.3301, 0.4814



32.3814, 0.2129, 0.2041



32.3814, 0.4622, 0.4218

Square

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



32.3814, 0.2129, 0.2041



32.3814, 0.4395, 0.3027



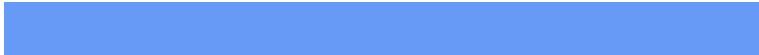
32.3814, 0.4065, 0.4708



32.3814, 0.1969, 0.3393

Rectangle

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



32.3814, 0.2129, 0.2041



32.3814, 0.3322, 0.2381



32.3814, 0.4065, 0.4708



32.3814, 0.2776, 0.4535

Sweetspot

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



32.3825, 0.2129, 0.2041



75.9370, 0.2855, 0.2991



73.4426, 0.2621, 0.3937



15.7064, 0.2821, 0.2952



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.



32.3825, 0.2129, 0.2041



27.0844, 0.1943, 0.1741



20.7497, 0.2127, 0.1469



16.8673, 0.2980, 0.3131



7.2874, 0.1643, 0.1114



0.8251, 0.1712, 0.1362

Inverse Universe

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



31.7822, 0.4279, 0.2777



28.3462, 0.4663, 0.2727



83.6013, 0.3803, 0.4751



16.5775, 0.3239, 0.3208



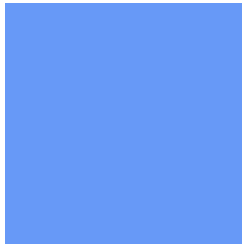
10.8350, 0.5590, 0.2853



0.9709, 0.5242, 0.2661

Previews

White Background



This preview shows how the Yxy color 32.3814, 0.2129, 0.2041 looks on a white background.

Color Contrast Check

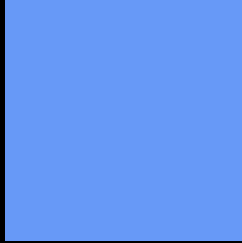
Large Text (above 18pt) WCAG AA × Fail

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 32.3814, 0.2129, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

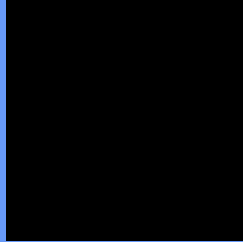
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

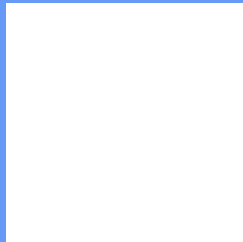
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.3814, 0.2129, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 32.3814, 0.2129, 0.2041.



This preview shows how white text looks on a background with the Yxy color 32.3814, 0.2129, 0.2041.

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

32.3814, 0.2129, 0.2041

Protanopia

32.1872, 0.2202, 0.2041

Deuteranopia

32.4793, 0.2113, 0.2050



Tritanopia

32.4286, 0.2365, 0.3073

Trichromacy



Original Color

32.3814, 0.2129, 0.2041

Protanomaly

32.2318, 0.2173, 0.2037

Deuteranomaly

32.5359, 0.2118, 0.2051

Tritanomaly

32.1316, 0.2267, 0.2643

Monochromacy



Original Color

32.3814, 0.2129, 0.2041

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.2210, 0.2662, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3814, 0.2129, 0.2041 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(103, 153, 247)` looks like.

```
.text, #text, p{  
    color:rgb(103, 153, 247)  
}
```

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(103, 153, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 153, 247) }
```

Border

The CSS property to change the border of an element to Yxy 32.3814, 0.2129, 0.2041 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(103, 153, 247) }
```

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

```
.border{ border-color:rgb(103, 153, 247) }
```

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

Here you see how a box with a 4 pixel rgb(103, 153, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 153, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 153, 247);  
box-shadow:4px 4px 4px 4px rgb(103, 153,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3814, 0.2129, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 153, 247) }
```

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

```
.background{ background-color: rgb(103,  
153, 247) }
```

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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