

Converting Colors

$Yxy(33.4747, 0.2099, 0.1993)$

Have a look what the booklet for
Yxy(33.4747, 0.2099, 0.1993)
contains.

Yxy(33.4875, 0.2099, 0.1994)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.4875, 0.2099, 0.1994)

Conversions

Conversions Part 1

Format	Color
Hex	669BFF
RGB	102, 155, 255
RGB Percent	40%, 61%, 100%
CMY	0.5999, 0.3922, 0.0000
CMYK	0.60, 0.39, 0.00, 0.00
HSL	219°, 100%, 70%
HSV	219°, 60%, 100%
XYZ	35.2509, 33.4875, 99.2029
YIQ	150.5530, -63.6880, 19.8640

Conversions

Conversions Part 2

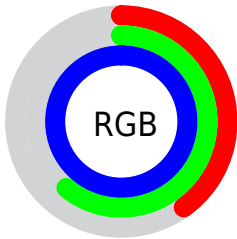
Format	Color
RYB	102, 141, 255
Decimal	6724607
CIELab	64.55, 12.02, -55.00
CIELCh	65, 56.301, 282.330
Yxy	33.4875, 0.2099, 0.1994
Android (android.graphics.Color)	4284914687 (0xFF669BFF)
YUV	150.5530, 51.4924, -42.5810
Hunter-Lab	57.8684, 7.4647, -61.1321

Details

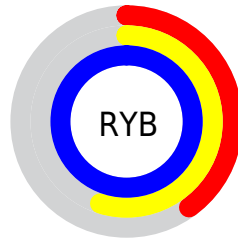
The Yxy color **33.4875, 0.2099, 0.1994** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.4658, 0.4293, 0.4274**, and the grayscale version is **30.5467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6075, 0.2544, 0.2756**, and **14.1484, 0.1821, 0.1665** is the 20% darker color. If you saturate the color by 10%, you get **27.0501, 0.1943, 0.1740**, and if you desaturate by 10%, it is **41.1510, 0.2271, 0.2248**.

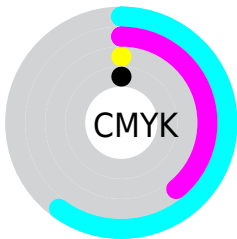
Distribution



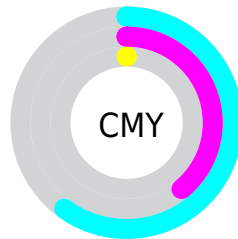
- Red (40%)
- Green (61%)
- Blue (100%)



- Red (40%)
- Yellow (55%)
- Blue (100%)



- Cyan (60%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4875, 0.2099, 0.1994 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 33.4875, 0.2099, 0.1994 by changing the saturation by 10% instead.


 33.4875, 0.2099,
0.1994


 33.4875, 0.2099,
0.1994


317.8407, 0.2613,
0.2618

 22.5002, 0.1977,
0.1851


 65.1359, 0.2282,
0.2212

 14.2249, 0.1824,
0.1677


 86.5657, 0.2353,
0.2297

 8.2772, 0.1632,
0.1462


 112.2452, 0.2412,
0.2370

 4.2729, 0.1386,
0.1195

142.5587, 0.2464,
0.2433

 1.8273, 0.1071,
0.0867

177.8906, 0.2508,
0.2488

 0.5041, 0.0681,
0.0444

218.6253, 0.2547,

 0.0000, 0.0000,

0.2537

0.0000

265.1472, 0.2582,
0.2580

■ 33.4875, 0.2099,
0.1994

■ 33.4875, 0.2099,
0.1994

■ 27.0501, 0.1943,
0.1740

■ 41.1510, 0.2271,
0.2248

■ 21.7607, 0.1810,
0.1496

■ 50.1046, 0.2450,
0.2492

■ 17.5352, 0.1706,
0.1273

■ 60.4114, 0.2629,
0.2722

■ 14.2529, 0.1633,
0.1080

■ 72.1290, 0.2804,
0.2932

■ 14.2492, 0.1633,
0.1079

■ 85.3113, 0.2971,
0.3122

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



33.4875, 0.1732, 0.2120



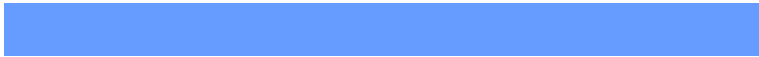
33.4875, 0.2099, 0.1994



33.4875, 0.2767, 0.2133

Triad

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



33.4875, 0.2099, 0.1994



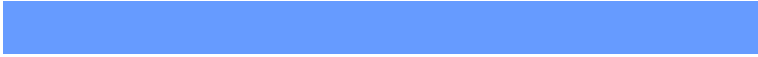
33.4875, 0.4848, 0.3632



33.4875, 0.2488, 0.4331

Complementary

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



33.4875, 0.2099, 0.1994



64.4658, 0.4293, 0.4274

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.



33.4875, 0.3284, 0.4888



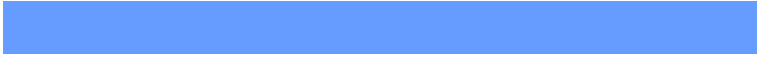
33.4875, 0.2099, 0.1994



33.4875, 0.4673, 0.4256

Square

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



33.4875, 0.2099, 0.1994



33.4875, 0.4467, 0.3024



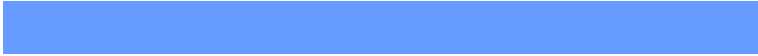
33.4875, 0.4082, 0.4773



33.4875, 0.1912, 0.3375

Rectangle

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



33.4875, 0.2099, 0.1994



33.4875, 0.3346, 0.2354



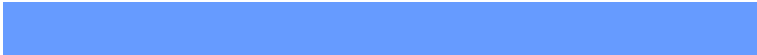
33.4875, 0.4082, 0.4773



33.4875, 0.2739, 0.4588

Sweetspot

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



33.4886, 0.2099, 0.1994



74.6382, 0.2838, 0.2971



78.5773, 0.2613, 0.3961



15.1958, 0.2789, 0.2913



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.



33.4886, 0.2099, 0.1994



25.8983, 0.1914, 0.1689



21.0853, 0.2093, 0.1412



18.4064, 0.2979, 0.3130



7.6964, 0.1641, 0.1109



0.9441, 0.1704, 0.1333

Inverse Universe

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



33.1325, 0.4336, 0.2768



27.5663, 0.4734, 0.2725



89.6356, 0.3817, 0.4788



18.0909, 0.3240, 0.3208



11.5049, 0.5597, 0.2857



1.1399, 0.5281, 0.2683

Previews

White Background



This preview shows how the Yxy color 33.4875, 0.2099, 0.1994 looks on a white background.

Color Contrast Check

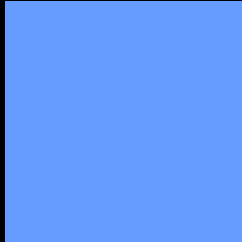
Large Text (above 18pt) WCAG AA × Fail

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 33.4875, 0.2099, 0.1994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

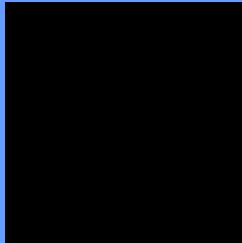
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

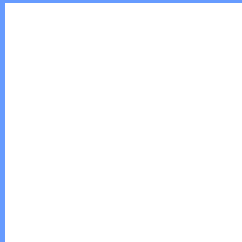
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4875, 0.2099, 0.1994

Background



This preview shows how black text looks on a background with the Yxy color 33.4875, 0.2099, 0.1994.



This preview shows how white text looks on a background with the Yxy color 33.4875, 0.2099, 0.1994.

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

33.4875, 0.2099, 0.1994

Protanopia

33.2613, 0.2167, 0.1993

Deuteranopia

33.3766, 0.2067, 0.1997



Tritanopia

33.5122, 0.2333, 0.3060

Trichromacy



Original Color

33.4875, 0.2099, 0.1994

Protanomaly

33.3177, 0.2140, 0.1990

Deuteranomaly

33.5383, 0.2080, 0.2000

Tritanomaly

33.3572, 0.2235, 0.2609

Monochromacy



Original Color

33.4875, 0.2099, 0.1994

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1171, 0.2645, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4875, 0.2099, 0.1994 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(102, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 155, 255)  
}
```

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(102, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.4875, 0.2099, 0.1994 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(102, 155, 255) }
```

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

```
.border{ border-color:rgb(102, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4875, 0.2099, 0.1994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 155, 255) }
```

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

```
.background{ background-color: rgb(102,  
155, 255) }
```

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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