

Converting Colors

$Y_{xy}(37.3060, 0.2010, 0.1652)$

Have a look what the booklet for
Yxy(37.3060, 0.2010, 0.1652)
contains.

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Color

Yxy(33.9244, 0.2177, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	7799FF
RGB	119, 153, 255
RGB Percent	47%, 60%, 100%
CMY	0.5332, 0.4000, 0.0000
CMYK	0.53, 0.40, 0.00, 0.00
HSL	225°, 100%, 73%
HSV	225°, 53%, 100%
XYZ	37.0564, 33.9244, 99.2370
YIQ	154.4620, -53.0060, 24.5140

Conversions

Conversions Part 2

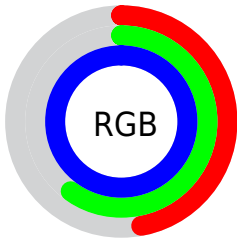
Format	Color
RYB	119, 146, 255
Decimal	7838207
CIELab	64.90, 16.55, -54.42
CIElCh	65, 56.884, 286.915
Yxy	33.9244, 0.2177, 0.1993
Android (android.graphics.Color)	4286028287 (0xFF7799FF)
YUV	154.4620, 49.5652, -31.1002
Hunter-Lab	58.2447, 11.6371, -60.2467

Details

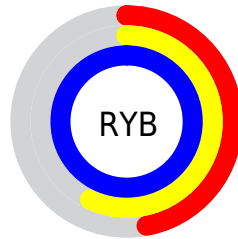
The Yxy color **33.9244, 0.2177, 0.1993** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.3260, 0.4075, 0.4300**, and the grayscale version is **32.3245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3106, 0.2629, 0.2745**, and **14.5899, 0.1920, 0.1685** is the 20% darker color. If you saturate the color by 10%, you get **26.5859, 0.1998, 0.1706**, and if you desaturate by 10%, it is **42.7478, 0.2367, 0.2278**.

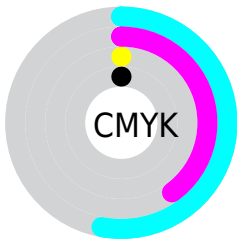
Distribution



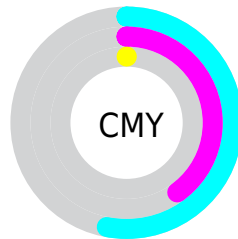
- Red (47%)
- Green (60%)
- Blue (100%)



- Red (47%)
- Yellow (57%)
- Blue (100%)



- Cyan (53%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9244, 0.2177, 0.1993 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 33.9244, 0.2177, 0.1993 by changing the saturation by 10% instead.

 33.9244, 0.2177,
0.1993

 33.9244, 0.2177,
0.1993


319.7948, 0.2655,
0.2613

 22.8355, 0.2062,
0.1852


 65.8161, 0.2349,
0.2209

 14.4721, 0.1918,
0.1680


 87.3877, 0.2414,
0.2293

 8.4498, 0.1735,
0.1468


 113.2223, 0.2469,
0.2365

 4.3841, 0.1499,
0.1205

143.7044, 0.2517,
0.2428

 1.8906, 0.1191,
0.0881

179.2183, 0.2558,
0.2483

 0.5427, 0.0799,
0.0470

220.1484, 0.2595,

 0.0000, 0.0000,

0.2532

0.0000

266.8791, 0.2627,
0.2575

■ 33.9244, 0.2177,
0.1993

■ 33.9244, 0.2177,
0.1993

■ 26.5859, 0.1998,
0.1706

■ 42.7478, 0.2367,
0.2278

■ 20.6493, 0.1838,
0.1430

■ 53.1405, 0.2557,
0.2549

■ 16.0157, 0.1708,
0.1181

■ 65.1747, 0.2742,
0.2799

■ 12.5727, 0.1615,
0.0972

■ 78.9196, 0.2916,
0.3026

■ 10.8520, 0.1572,
0.0859

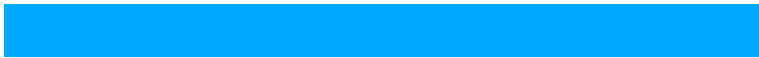
■ 94.4400, 0.3077,
0.3228

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



33.9244, 0.1762, 0.2075



33.9244, 0.2177, 0.1993



33.9244, 0.2891, 0.2170

Triad

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



33.9244, 0.2177, 0.1993



33.9244, 0.4866, 0.3729



33.9244, 0.2377, 0.4202

Complementary

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



33.9244, 0.2177, 0.1993



74.3260, 0.4075, 0.4300

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.



33.9244, 0.3156, 0.4858



33.9244, 0.2177, 0.1993



33.9244, 0.4611, 0.4351

Square

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



33.9244, 0.2177, 0.1993



33.9244, 0.4569, 0.3111



33.9244, 0.3971, 0.4835



33.9244, 0.1846, 0.3230

Rectangle

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



33.9244, 0.2177, 0.1993



33.9244, 0.3488, 0.2413



33.9244, 0.3971, 0.4835



33.9244, 0.2618, 0.4486

Sweetspot

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



33.9229, 0.2177, 0.1993



75.0677, 0.2870, 0.2968



80.6648, 0.2587, 0.3699



15.4521, 0.2835, 0.2922



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.



33.9229, 0.2177, 0.1993



26.1403, 0.1986, 0.1687



27.1947, 0.2321, 0.1670



18.1147, 0.2979, 0.3106



5.8676, 0.1579, 0.0884



0.7356, 0.1637, 0.1092

Inverse Universe

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



36.7599, 0.4296, 0.2947



30.5611, 0.4684, 0.2906



88.2258, 0.3666, 0.4693



18.0615, 0.3255, 0.3231



11.3203, 0.5936, 0.3044



1.1188, 0.5622, 0.2871

Previews

White Background



This preview shows how the Yxy color 33.9244, 0.2177, 0.1993 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 33.9244, 0.2177, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

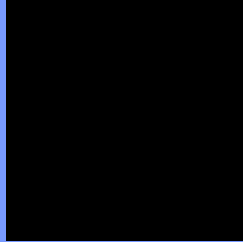
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9244, 0.2177, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 33.9244, 0.2177, 0.1993.



This preview shows how white text looks on a background with the Yxy color 33.9244, 0.2177, 0.1993.

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

33.9244, 0.2177, 0.1993

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

33.8664, 0.2091, 0.2024



Tritanopia

34.1330, 0.2459, 0.3081

Trichromacy



Original Color

33.9244, 0.2177, 0.1993

Protanomaly

34.1828, 0.2174, 0.2005

Deuteranomaly

33.9969, 0.2124, 0.2022

Tritanomaly

33.6814, 0.2339, 0.2609

Monochromacy



Original Color

33.9244, 0.2177, 0.1993

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.5355, 0.2699, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9244, 0.2177, 0.1993 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(119, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 153, 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(119, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.9244, 0.2177, 0.1993 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(119, 153, 255) }
```

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

```
.border{ border-color:rgb(119, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9244, 0.2177, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 153, 255) }
```

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

```
.background{ background-color: rgb(119,  
153, 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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