

Converting Colors

$Yxy(33.3495, 0.1994, 0.2131)$

Have a look what the booklet for
Yxy(33.3495, 0.1994, 0.2131)
contains.

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Color

Yxy(33.3352, 0.1993, 0.2130)

Conversions

Conversions Part 1

Format	Color
Hex	38A2F6
RGB	56, 162, 246
RGB Percent	22%, 64%, 96%
CMY	0.7798, 0.3647, 0.0353
CMYK	0.77, 0.34, 0.00, 0.04
HSL	207°, 91%, 59%
HSV	207°, 77%, 96%
XYZ	31.1911, 33.3352, 91.9770
YIQ	139.8820, -90.1400, 3.6520

Conversions

Conversions Part 2

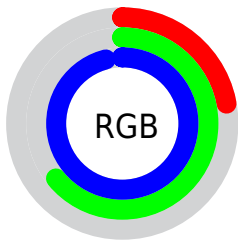
Format	Color
R _Y B	56, 124, 246
Decimal	3711734
CIE Lab	64.43, -1.81, -50.39
CIE LCh	64, 50.419, 267.945
Yxy	33.3352, 0.1993, 0.2130
Android (android.graphics.Color)	4281901814 (0xFF38A2F6)
YUV	139.8820, 52.3162, -73.5645
Hunter-Lab	57.7366, -4.6080, -54.0359

Details

The Yxy color **33.3352, 0.1993, 0.2130** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **38.6824, 0.5039, 0.4051**, and the grayscale version is **26.0131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5128, 0.2391, 0.2832**, and **15.0430, 0.1855, 0.1876** is the 20% darker color. If you saturate the color by 10%, you get **29.1208, 0.1903, 0.1958**, and if you desaturate by 10%, it is **38.2318, 0.2105, 0.2305**.

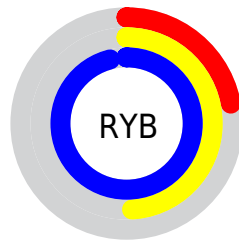
Distribution



Red (22%)

Green (64%)

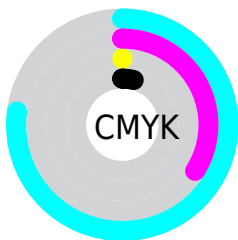
Blue (96%)



Red (22%)

Yellow (49%)

Blue (96%)

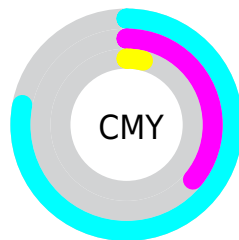


Cyan (77%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (78%)


Magenta (36%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3352, 0.1993, 0.2130 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 33.3352, 0.1993, 0.2130 by changing the saturation by 10% instead.


 33.3352, 0.1993,
0.2130


 33.3352, 0.1993,
0.2130


317.1575, 0.2554,
0.2707


 22.3834, 0.1861,
0.1993


 64.8985, 0.2192,
0.2336


 14.1389, 0.1697,
0.1823


 86.2788, 0.2269,
0.2414

 8.2173, 0.1491,
0.1608

 111.9039, 0.2334,
0.2481

 4.2343, 0.1230,
0.1335

 142.1584, 0.2390,
0.2539

 1.8055, 0.0901,
0.0989

177.4266, 0.2439,
0.2589

 0.4906, 0.0447,
0.0519

218.0929, 0.2482,

 0.0000, 0.0000,

0.2634

0.0000

264.5418, 0.2520,
0.2672

■ 33.3352, 0.1993,
0.2130

■ 33.3352, 0.1993,
0.2130

■ 29.1208, 0.1903,
0.1958

■ 38.2318, 0.2105,
0.2305

■ 25.5191, 0.1835,
0.1792

■ 43.8604, 0.2237,
0.2478

■ 24.5858, 0.1819,
0.1747

■ 50.2681, 0.2382,
0.2645

■ 57.4960, 0.2537,
0.2804

■ 65.5818, 0.2697,
0.2952

■ 74.5605, 0.2858,
0.3087

■ 84.4645, 0.3016,
0.3210

■ 95.3247, 0.3170,
0.3320

■ 99.4337, 0.3179,
0.3376

Harmonies

Analogous

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



33.3352, 0.1785, 0.2390



33.3352, 0.1993, 0.2130



33.3352, 0.2481, 0.2142

Triad

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



33.3352, 0.1993, 0.2130



33.3352, 0.4572, 0.3347



33.3352, 0.2895, 0.4519

Complementary

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



33.3352, 0.1993, 0.2130



38.6824, 0.5039, 0.4051

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.



33.3352, 0.3646, 0.4740



33.3352, 0.1993, 0.2130



33.3352, 0.4661, 0.3924

Square

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



33.3352, 0.1993, 0.2130



33.3352, 0.4011, 0.2809



33.3352, 0.4298, 0.4452



33.3352, 0.2247, 0.3788

Rectangle

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



33.3352, 0.1993, 0.2130



33.3352, 0.2947, 0.2280



33.3352, 0.4298, 0.4452



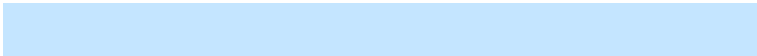
33.3352, 0.3144, 0.4660

Sweetspot

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



33.3363, 0.1993, 0.2130



75.0675, 0.2763, 0.3009



68.6027, 0.2738, 0.4791



15.3332, 0.2705, 0.2959



0.0000, 0.0000, 0.0000



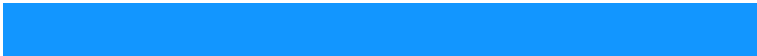
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.3363, 0.1993, 0.2130



29.1791, 0.1860, 0.1857



11.7316, 0.1692, 0.0974



17.4591, 0.2980, 0.3183



13.4076, 0.1826, 0.1773



1.3831, 0.1883, 0.1980

Inverse Universe

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



25.0439, 0.4271, 0.2328



23.8917, 0.4610, 0.2345



78.3511, 0.4205, 0.4848



16.6372, 0.3206, 0.3159



11.4529, 0.4718, 0.2372



1.0273, 0.4476, 0.2239

Previews

White Background



This preview shows how the Yxy color 33.3352, 0.1993, 0.2130 looks on a white background.

Color Contrast Check

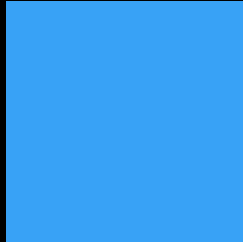
Large Text (above 18pt) WCAG AA × Fail

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 33.3352, 0.1993, 0.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

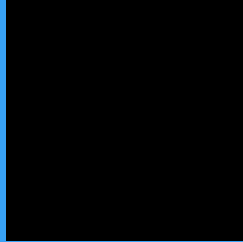
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

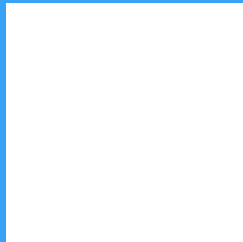
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3352, 0.1993, 0.2130

Background



This preview shows how black text looks on a background with the Yxy color 33.3352, 0.1993, 0.2130.



This preview shows how white text looks on a background with the Yxy color 33.3352, 0.1993, 0.2130.

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

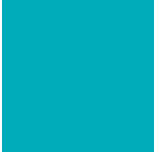
33.3352, 0.1993, 0.2130

Protanopia

32.9895, 0.2288, 0.2149

Deuteranopia

33.0448, 0.2126, 0.2058



Tritanopia

33.0502, 0.2181, 0.3053

Trichromacy



Original Color

33.3352, 0.1993, 0.2130

Protanomaly

32.8371, 0.2149, 0.2137

Deuteranomaly

33.1004, 0.2067, 0.2088

Tritanomaly

32.7081, 0.2087, 0.2659

Monochromacy



Original Color

33.3352, 0.1993, 0.2130

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.7495, 0.2526, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3352, 0.1993, 0.2130 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(56, 162, 246)` looks like.

```
.text, #text, p{  
    color:rgb(56, 162, 246)  
}
```

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(56, 162, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 162, 246) }
```

Border

The CSS property to change the border of an element to Yxy 33.3352, 0.1993, 0.2130 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(56, 162, 246) }
```

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

```
.border{ border-color:rgb(56, 162, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 162, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 162, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 162, 246);  
box-shadow:4px 4px 4px 4px rgb(56, 162,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3352, 0.1993, 0.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 162, 246) }
```

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

```
.background{ background-color: rgb(56, 162,  
246) }
```

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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