

Converting Colors

$Y_{xy}(33.1285, 0.2008, 0.2136)$

Have a look what the booklet for
Yxy(33.1285, 0.2008, 0.2136)
contains.

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Color

Yxy(33.0744, 0.2005, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	3DA1F5
RGB	61, 161, 245
RGB Percent	24%, 63%, 96%
CMY	0.7610, 0.3686, 0.0392
CMYK	0.75, 0.34, 0.00, 0.04
HSL	207°, 90%, 60%
HSV	207°, 75%, 96%
XYZ	31.1480, 33.0744, 91.1294
YIQ	140.6760, -86.5640, 4.9240

Conversions

Conversions Part 2

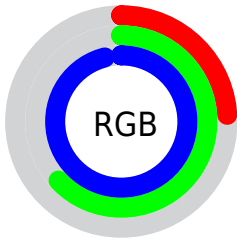
Format	Color
RYB	61, 126, 245
Decimal	4039157
CIELab	64.22, -1.06, -50.17
CIELCh	64, 50.178, 268.790
Yxy	33.0744, 0.2005, 0.2129
Android (android.graphics.Color)	4282229237 (0xFF3DA1F5)
YUV	140.6760, 51.4317, -69.8759
Hunter-Lab	57.5103, -3.9662, -53.6921

Details

The Yxy color **33.0744, 0.2005, 0.2129** 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 **39.9836, 0.4953, 0.4073**, and the grayscale version is **26.3191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6462, 0.2395, 0.2808**, and **14.7827, 0.1853, 0.1869** is the 20% darker color. If you saturate the color by 10%, you get **28.7331, 0.1908, 0.1951**, and if you desaturate by 10%, it is **38.1219, 0.2124, 0.2309**.

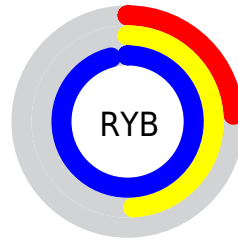
Distribution



Red (24%)

Green (63%)

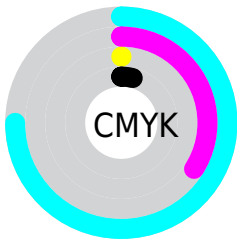
Blue (96%)



Red (24%)

Yellow (49%)

Blue (96%)

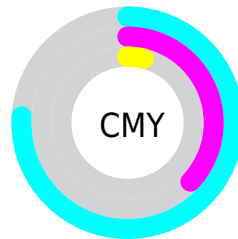


Cyan (75%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (76%)


Magenta (37%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0744, 0.2005, 0.2129 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 33.0744, 0.2005, 0.2129 by changing the saturation by 10% instead.


 33.0744, 0.2005,
0.2129


 33.0744, 0.2005,
0.2129


315.9848, 0.2562,
0.2707

 22.1834, 0.1873,
0.1992


 64.4917, 0.2203,
0.2335

 13.9918, 0.1710,
0.1821


 85.7868, 0.2279,
0.2414

 8.1149, 0.1504,
0.1606

 111.3187, 0.2344,
0.2481

 4.1686, 0.1243,
0.1332

 141.4719, 0.2399,
0.2539

 1.7683, 0.0913,
0.0984

176.6307, 0.2448,
0.2589

 0.4673, 0.0452,
0.0505

217.1795, 0.2490,

 0.0000, 0.0000,

0.2633

0.0000

263.5028, 0.2528,
0.2672

■ 33.0744, 0.2005,
0.2129

■ 33.0744, 0.2005,
0.2129

■ 28.7331, 0.1908,
0.1951

■ 38.1219, 0.2124,
0.2309

■ 25.0331, 0.1835,
0.1779

■ 43.9241, 0.2260,
0.2487

■ 23.4201, 0.1805,
0.1698

■ 50.5273, 0.2410,
0.2659

■ 57.9722, 0.2568,
0.2820

■ 66.2962, 0.2729,
0.2971

■ 75.5341, 0.2890,
0.3108

■ 85.7185, 0.3048,
0.3232

■ 96.5077, 0.3188,
0.3343

■ 99.3727, 0.3185,
0.3386

Harmonies

Analogous

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



33.0744, 0.1789, 0.2380



33.0744, 0.2005, 0.2129



33.0744, 0.2500, 0.2147

Triad

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



33.0744, 0.2005, 0.2129



33.0744, 0.4578, 0.3363



33.0744, 0.2875, 0.4501

Complementary

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



33.0744, 0.2005, 0.2129



39.9836, 0.4953, 0.4073

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.



33.0744, 0.3624, 0.4739



33.0744, 0.2005, 0.2129



33.0744, 0.4654, 0.3939

Square

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



33.0744, 0.2005, 0.2129



33.0744, 0.4030, 0.2824



33.0744, 0.4280, 0.4462



33.0744, 0.2234, 0.3762

Rectangle

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



33.0744, 0.2005, 0.2129



33.0744, 0.2969, 0.2289



33.0744, 0.4280, 0.4462



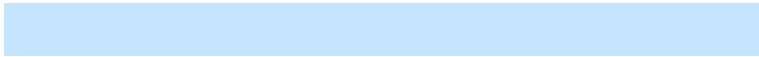
33.0744, 0.3123, 0.4647

Sweetspot

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



33.0755, 0.2005, 0.2129



74.6184, 0.2763, 0.3000



68.3033, 0.2725, 0.4701



15.2247, 0.2704, 0.2948



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.



33.0755, 0.2005, 0.2129



29.3300, 0.1868, 0.1863



11.9829, 0.1714, 0.0997



17.4196, 0.2980, 0.3179



12.8972, 0.1813, 0.1725



1.3389, 0.1871, 0.1937

Inverse Universe

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



25.3186, 0.4265, 0.2360



24.1873, 0.4599, 0.2361



79.6247, 0.4167, 0.4848



16.6332, 0.3208, 0.3162



11.4014, 0.4776, 0.2405



1.0228, 0.4525, 0.2266

Previews

White Background



This preview shows how the Yxy color 33.0744, 0.2005, 0.2129 looks on a white background.

Color Contrast Check

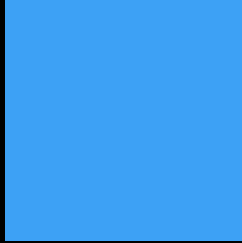
Large Text (above 18pt) WCAG AA × Fail

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 33.0744, 0.2005, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

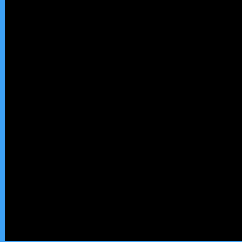
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

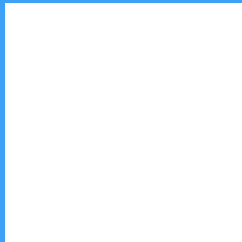
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0744, 0.2005, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 33.0744, 0.2005, 0.2129.

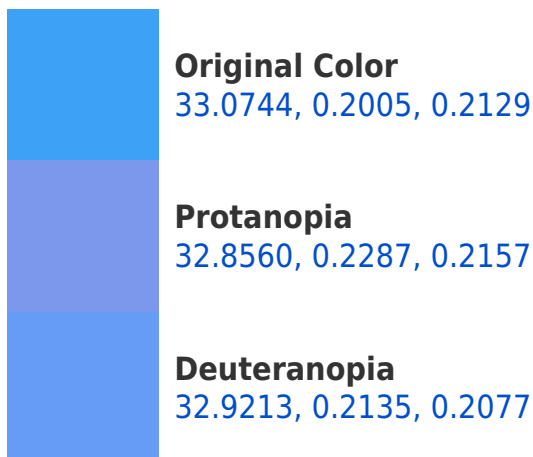


This preview shows how white text looks on a background with the Yxy color 33.0744, 0.2005, 0.2129.

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





Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

33.0744, 0.2005, 0.2129

Protanomaly

32.5007, 0.2155, 0.2134

Deuteranomaly

32.7940, 0.2075, 0.2086

Tritanomaly

32.6808, 0.2093, 0.2673

Monochromacy



Original Color

33.0744, 0.2005, 0.2129

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.8792, 0.2541, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0744, 0.2005, 0.2129 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(61, 161, 245)` looks like.

```
.text, #text, p{  
    color:rgb(61, 161, 245)  
}
```

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(61, 161, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 161, 245) }
```

Border

The CSS property to change the border of an element to Yxy 33.0744, 0.2005, 0.2129 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(61, 161, 245) }
```

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

```
.border{ border-color:rgb(61, 161, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 161, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 161, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 161, 245);  
box-shadow:4px 4px 4px 4px rgb(61, 161,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0744, 0.2005, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 161, 245) }
```

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

```
.background{ background-color: rgb(61, 161,  
245) }
```

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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