

Converting Colors

$Yxy(31.9361, 0.1935, 0.1966)$

Have a look what the booklet for
Yxy(31.9361, 0.1935, 0.1966)
contains.

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Color

Yxy(32.0377, 0.1935, 0.1970)

Conversions

Conversions Part 1

Format	Color
Hex	339DFF
RGB	51, 157, 255
RGB Percent	20%, 62%, 100%
CMY	0.8001, 0.3843, 0.0000
CMYK	0.80, 0.38, 0.00, 0.00
HSL	209°, 100%, 60%
HSV	209°, 80%, 100%
XYZ	31.4685, 32.0377, 99.1217
YIQ	136.4780, -94.6340, 8.0060

Conversions

Conversions Part 2

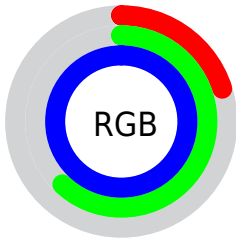
Format	Color
R _Y B	51, 121, 255
Decimal	3382783
CIE Lab	63.37, 3.77, -56.98
CIE LCh	63, 57.108, 273.785
Yxy	32.0377, 0.1935, 0.1970
Android (android.graphics.Color)	4281572863 (0xFF339DFF)
YUV	136.4780, 58.4313, -74.9642
Hunter-Lab	56.6019, 0.1860, -64.2079

Details

The Yxy color **32.0377, 0.1935, 0.1970** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **42.9742, 0.5045, 0.4124**, and the grayscale version is **24.6096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3206, 0.2367, 0.2756**, and **14.3853, 0.1803, 0.1690** is the 20% darker color. If you saturate the color by 10%, you get **27.6100, 0.1847, 0.1786**, and if you desaturate by 10%, it is **37.2451, 0.2047, 0.2159**.

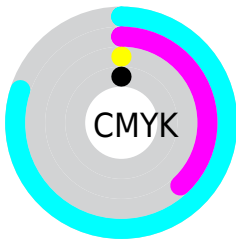
Distribution



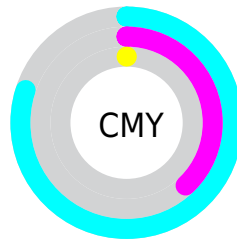
- Red (20%)
- Green (62%)
- Blue (100%)



- Red (20%)
- Yellow (47%)
- Blue (100%)



- Cyan (80%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0377, 0.1935, 0.1970 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 32.0377, 0.1935, 0.1970 by changing the saturation by 10% instead.


 32.0377, 0.1935,
0.1970


 32.0377, 0.1935,
0.1970


311.2910, 0.2524,
0.2615


 21.3903, 0.1797,
0.1821


 62.8702, 0.2143,
0.2197

 13.4096, 0.1628,
0.1639


 83.8241, 0.2224,
0.2284

 7.7112, 0.1418,
0.1415


 108.9822, 0.2292,
0.2359

 3.9107, 0.1155,
0.1137

 138.7290, 0.2351,
0.2425

 1.6237, 0.0831,
0.0801

173.4489, 0.2403,
0.2481

 0.3735, 0.0411,
0.0344

213.5263, 0.2448,

 0.0000, 0.0000,

0.2531

0.0000

259.3455, 0.2489,
0.2576

■ 32.0377, 0.1935,
0.1970

■ 32.0377, 0.1935,
0.1970

■ 27.6100, 0.1847,
0.1786

■ 37.2451, 0.2047,
0.2159

■ 23.8662, 0.1781,
0.1612

■ 43.2929, 0.2179,
0.2349

■ 50.2368, 0.2326,
0.2535

■ 58.1256, 0.2484,
0.2711

■ 67.0039, 0.2647,
0.2877

■ 76.9127, 0.2810,
0.3028

■ 87.8905, 0.2971,
0.3166

99.9734, 0.3127,
0.3290

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.



32.0377, 0.1648, 0.2182



32.0377, 0.1935, 0.1970



32.0377, 0.2531, 0.2041

Triad

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



32.0377, 0.1935, 0.1970



32.0377, 0.4845, 0.3452



32.0377, 0.2686, 0.4598

Complementary

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



32.0377, 0.1935, 0.1970



42.9742, 0.5045, 0.4124

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.



32.0377, 0.3525, 0.4968



32.0377, 0.1935, 0.1970



32.0377, 0.4816, 0.4093

Square

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



32.0377, 0.1935, 0.1970



32.0377, 0.4299, 0.2849



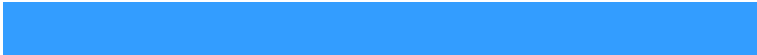
32.0377, 0.4305, 0.4682



32.0377, 0.2014, 0.3661

Rectangle

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



32.0377, 0.1935, 0.1970



32.0377, 0.3087, 0.2223



32.0377, 0.4305, 0.4682



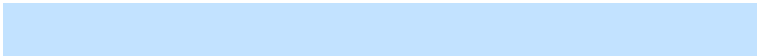
32.0377, 0.2959, 0.4804

Sweetspot

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



32.0387, 0.1935, 0.1970



72.8433, 0.2745, 0.2970



74.2957, 0.2713, 0.4763



14.8419, 0.2687, 0.2915



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.



32.0387, 0.1935, 0.1970



25.3015, 0.1806, 0.1681



10.9248, 0.1641, 0.0857



18.9398, 0.2979, 0.3173



12.7729, 0.1789, 0.1640



1.4625, 0.1845, 0.1840

Inverse Universe

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



26.0569, 0.4453, 0.2392



23.3001, 0.4826, 0.2450



88.7460, 0.4181, 0.4917



18.1448, 0.3212, 0.3167



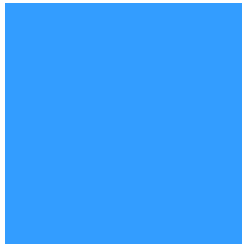
12.0174, 0.4880, 0.2462



1.1922, 0.4637, 0.2328

Previews

White Background



This preview shows how the Yxy color 32.0377, 0.1935, 0.1970 looks on a white background.

Color Contrast Check

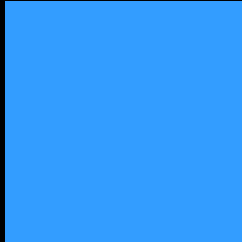
Large Text (above 18pt) WCAG AA × Fail

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 32.0377, 0.1935, 0.1970 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

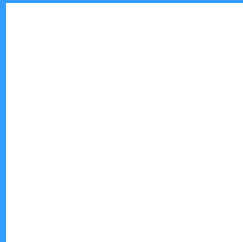
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.0377, 0.1935, 0.1970

Background



This preview shows how black text looks on a background with the Yxy color 32.0377, 0.1935, 0.1970.



This preview shows how white text looks on a background with the Yxy color 32.0377, 0.1935, 0.1970.

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

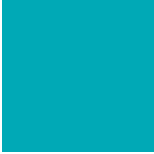
32.0377, 0.1935, 0.1970

Protanopia

31.7829, 0.2164, 0.1994

Deuteranopia

31.7963, 0.2011, 0.1942



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



Original Color

32.0377, 0.1935, 0.1970

Protanomaly

31.5952, 0.2052, 0.1974

Deuteranomaly

31.6708, 0.1977, 0.1944

Tritanomaly

31.6522, 0.2068, 0.2595

Monochromacy



Original Color

32.0377, 0.1935, 0.1970

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.2044, 0.2478, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0377, 0.1935, 0.1970 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(51, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 157, 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(51, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.0377, 0.1935, 0.1970 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(51, 157, 255) }
```

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

```
.border{ border-color:rgb(51, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0377, 0.1935, 0.1970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 157, 255) }
```

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

```
.background{ background-color: rgb(51, 157,  
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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