

Converting Colors

$Y_{xy}(32.5034, 0.1940, 0.1989)$

Have a look what the booklet for
Yxy(32.5034, 0.1940, 0.1989)
contains.

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Color

Yxy(32.3775, 0.1939, 0.1984)

Conversions

Conversions Part 1

Format	Color
Hex	339EFF
RGB	51, 158, 255
RGB Percent	20%, 62%, 100%
CMY	0.7995, 0.3804, 0.0001
CMYK	0.80, 0.38, 0.00, 0.00
HSL	209°, 100%, 60%
HSV	209°, 80%, 100%
XYZ	31.6431, 32.3775, 99.1724
YIQ	137.0650, -94.9090, 7.4830

Conversions

Conversions Part 2

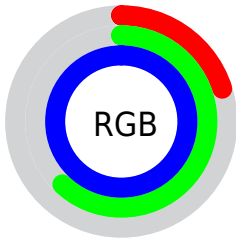
Format	Color
R _Y B	51, 121, 255
Decimal	3383039
CIE Lab	63.65, 3.20, -56.53
CIE LCh	64, 56.625, 273.242
Yxy	32.3775, 0.1939, 0.1984
Android (android.graphics.Color)	4281573119 (0xFF339EFF)
YUV	137.0650, 58.1420, -75.4790
Hunter-Lab	56.9012, -0.3122, -63.5049

Details

The Yxy color **32.3775, 0.1939, 0.1984** 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 **42.7073, 0.5053, 0.4116**, and the grayscale version is **24.8576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8190, 0.2370, 0.2768**, and **14.5926, 0.1808, 0.1707** is the 20% darker color. If you saturate the color by 10%, you get **27.9504, 0.1851, 0.1802**, and if you desaturate by 10%, it is **37.5779, 0.2050, 0.2172**.

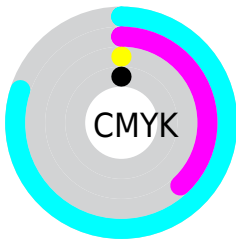
Distribution



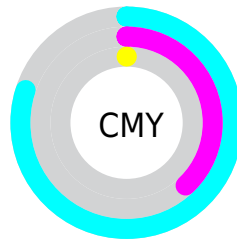
- Red (20%)
- Green (62%)
- Blue (100%)



- 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 32.3775, 0.1939, 0.1984 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 32.3775, 0.1939, 0.1984 by changing the saturation by 10% instead.


 32.3775, 0.1939,
0.1984


 32.3775, 0.1939,
0.1984


312.8353, 0.2526,
0.2623


 21.6500, 0.1802,
0.1836


 63.4024, 0.2146,
0.2208


 13.6000, 0.1634,
0.1656


 84.4686, 0.2226,
0.2295

 7.8430, 0.1424,
0.1433

 109.7499, 0.2295,
0.2370

 3.9946, 0.1163,
0.1157

 139.6305, 0.2353,
0.2434

 1.6706, 0.0840,
0.0820

174.4950, 0.2405,
0.2490

 0.4045, 0.0423,
0.0370

214.7277, 0.2450,

 0.0000, 0.0000,

0.2540

0.0000

260.7130, 0.2490,
0.2583

■ 32.3775, 0.1939,
0.1984

■ 32.3775, 0.1939,
0.1984

■ 27.9504, 0.1851,
0.1802

■ 37.5779, 0.2050,
0.2172

■ 24.1973, 0.1786,
0.1628

■ 43.6116, 0.2182,
0.2360

■ 24.1808, 0.1786,
0.1628

■ 50.5342, 0.2328,
0.2543

■ 58.3939, 0.2486,
0.2718

■ 67.2350, 0.2648,
0.2881

■ 77.0984, 0.2811,
0.3032

■ 88.0220, 0.2972,
0.3168

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



32.3775, 0.1660, 0.2201



32.3775, 0.1939, 0.1984



32.3775, 0.2525, 0.2049

Triad

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



32.3775, 0.1939, 0.1984



32.3775, 0.4821, 0.3442



32.3775, 0.2707, 0.4593

Complementary

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



32.3775, 0.1939, 0.1984



42.7073, 0.5053, 0.4116

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.



32.3775, 0.3538, 0.4947



32.3775, 0.1939, 0.1984



32.3775, 0.4804, 0.4077

Square

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



32.3775, 0.1939, 0.1984



32.3775, 0.4271, 0.2844



32.3775, 0.4307, 0.4660



32.3775, 0.2036, 0.3675

Rectangle

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



32.3775, 0.1939, 0.1984



32.3775, 0.3072, 0.2228



32.3775, 0.4307, 0.4660



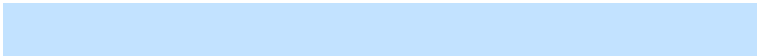
32.3775, 0.2977, 0.4792

Sweetspot

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



32.3785, 0.1939, 0.1984



72.9935, 0.2745, 0.2973



74.2977, 0.2713, 0.4762



14.8779, 0.2687, 0.2919



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.



32.3785, 0.1939, 0.1984



25.6190, 0.1810, 0.1696



10.9428, 0.1642, 0.0858



18.9539, 0.2979, 0.3174



12.9385, 0.1793, 0.1656



1.4787, 0.1849, 0.1854

Inverse Universe

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



26.1027, 0.4437, 0.2383



23.3322, 0.4807, 0.2440



88.7451, 0.4180, 0.4917



18.1462, 0.3212, 0.3166



12.0341, 0.4861, 0.2452



1.1938, 0.4621, 0.2319

Previews

White Background



This preview shows how the Yxy color 32.3775, 0.1939, 0.1984 looks on a white background.

Color Contrast Check

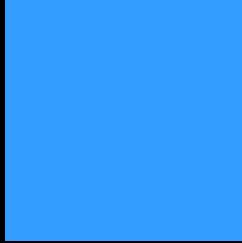
Large Text (above 18pt) WCAG AA × Fail

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 32.3775, 0.1939, 0.1984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

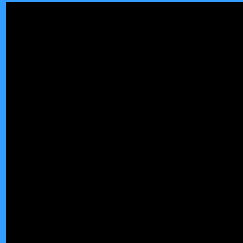
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

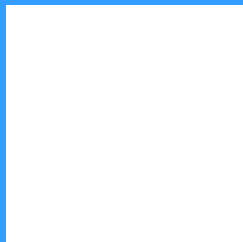
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.3775, 0.1939, 0.1984

Background



This preview shows how black text looks on a background with the Yxy color 32.3775, 0.1939, 0.1984.



This preview shows how white text looks on a background with the Yxy color 32.3775, 0.1939, 0.1984.

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

32.3775, 0.1939, 0.1984

Protanopia

32.1729, 0.2182, 0.2019

Deuteranopia

32.2160, 0.2021, 0.1958



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



Original Color

32.3775, 0.1939, 0.1984

Protanomaly

31.9599, 0.2068, 0.1999

Deuteranomaly

32.0404, 0.1984, 0.1959

Tritanomaly

32.0143, 0.2073, 0.2612

Monochromacy



Original Color

32.3775, 0.1939, 0.1984

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.6103, 0.2482, 0.2717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3775, 0.1939, 0.1984 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, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 158, 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, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.3775, 0.1939, 0.1984 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, 158, 255) }
```

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

```
.border{ border-color:rgb(51, 158, 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, 158, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3775, 0.1939, 0.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 158, 255) }
```

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

```
.background{ background-color: rgb(51, 158,  
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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