

Converting Colors

$Y_{xy}(32.5629, 0.1937, 0.1993)$

Have a look what the booklet for
Yxy(32.5629, 0.1937, 0.1993)
contains.

Yxy(32.6692, 0.1938, 0.1997)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.6692, 0.1938, 0.1997)

Conversions

Conversions Part 1

Format	Color
Hex	319FFF
RGB	49, 159, 255
RGB Percent	19%, 62%, 100%
CMY	0.8085, 0.3764, 0.0001
CMYK	0.81, 0.38, 0.00, 0.00
HSL	208°, 100%, 60%
HSV	208°, 81%, 100%
XYZ	31.7040, 32.6692, 99.2182
YIQ	137.0540, -96.3760, 6.5360

Conversions

Conversions Part 2

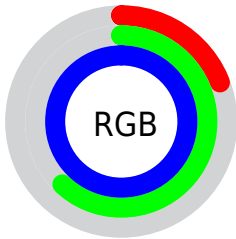
Format	Color
R _Y B	49, 121, 255
Decimal	3252223
CIE Lab	63.89, 2.40, -56.15
CIE LCh	64, 56.204, 272.444
Yxy	32.6692, 0.1938, 0.1997
Android (android.graphics.Color)	4281442303 (0xFF319FFF)
YUV	137.0540, 58.1474, -77.2234
Hunter-Lab	57.1570, -1.0138, -62.9110

Details

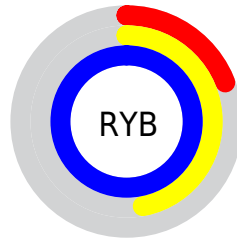
The Yxy color **32.6692, 0.1938, 0.1997** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **41.6569, 0.5099, 0.4095**, and the grayscale version is **24.8240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2441, 0.2368, 0.2780**, and **14.8023, 0.1813, 0.1725** is the 20% darker color. If you saturate the color by 10%, you get **28.3194, 0.1854, 0.1819**, and if you desaturate by 10%, it is **37.7705, 0.2046, 0.2181**.

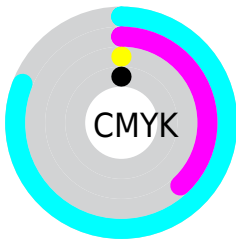
Distribution



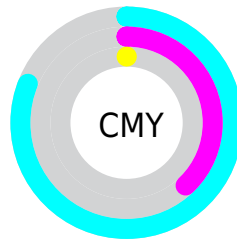
- Red (19%)
- Green (62%)
- Blue (100%)



- Red (19%)
- Yellow (47%)
- Blue (100%)



- Cyan (81%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6692, 0.1938, 0.1997 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 32.6692, 0.1938, 0.1997 by changing the saturation by 10% instead.


 32.6692, 0.1938,
0.1997


 32.6692, 0.1938,
0.1997


314.1565, 0.2524,
0.2630


 21.8732, 0.1801,
0.1851


 63.8587, 0.2145,
0.2220

 13.7637, 0.1633,
0.1671


 85.0210, 0.2225,
0.2306

 7.9565, 0.1424,
0.1450


 110.4074, 0.2293,
0.2379

 4.0671, 0.1163,
0.1174

 140.4025, 0.2352,
0.2443

 1.7112, 0.0841,
0.0838

175.3905, 0.2403,
0.2499

 0.4309, 0.0427,
0.0393

215.7559, 0.2449,

 0.0000, 0.0000,

0.2548

0.0000

261.8831, 0.2489,
0.2591

■ 32.6692, 0.1938,
0.1997

■ 32.6692, 0.1938,
0.1997

■ 28.3194, 0.1854,
0.1819

■ 37.7705, 0.2046,
0.2181

■ 24.9100, 0.1795,
0.1663

■ 43.6836, 0.2174,
0.2365

■ 50.4637, 0.2318,
0.2544

■ 58.1590, 0.2473,
0.2716

■ 66.8135, 0.2634,
0.2877

■ 76.4675, 0.2797,
0.3025

■ 87.1588, 0.2958,
0.3159

■ 98.9227, 0.3114,
0.3280

■ 99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



32.6692, 0.1669, 0.2222



32.6692, 0.1938, 0.1997



32.6692, 0.2512, 0.2054

Triad

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



32.6692, 0.1938, 0.1997



32.6692, 0.4796, 0.3426



32.6692, 0.2733, 0.4596

Complementary

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



32.6692, 0.1938, 0.1997



41.6569, 0.5099, 0.4095

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.



32.6692, 0.3559, 0.4929



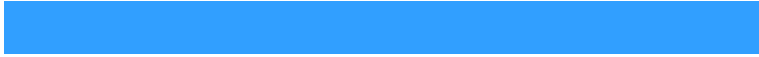
32.6692, 0.1938, 0.1997



32.6692, 0.4796, 0.4056

Square

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



32.6692, 0.1938, 0.1997



32.6692, 0.4238, 0.2834



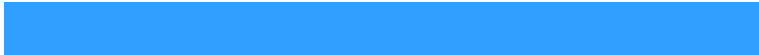
32.6692, 0.4315, 0.4636



32.6692, 0.2061, 0.3698

Rectangle

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



32.6692, 0.1938, 0.1997



32.6692, 0.3050, 0.2228



32.6692, 0.4315, 0.4636



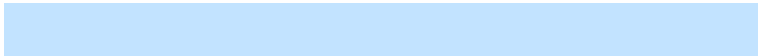
32.6692, 0.3003, 0.4787

Sweetspot

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



32.6702, 0.1938, 0.1997



73.3359, 0.2746, 0.2980



74.0914, 0.2728, 0.4828



14.9600, 0.2688, 0.2927



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.



32.6702, 0.1938, 0.1997



25.9881, 0.1814, 0.1713



11.0082, 0.1637, 0.0863



18.9859, 0.2979, 0.3177



13.3213, 0.1803, 0.1691



1.5158, 0.1857, 0.1886

Inverse Universe

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



25.9405, 0.4425, 0.2363



23.3157, 0.4787, 0.2424



86.5770, 0.4209, 0.4903



18.1494, 0.3210, 0.3164



12.0728, 0.4818, 0.2428



1.1976, 0.4583, 0.2299

Previews

White Background



This preview shows how the Yxy color 32.6692, 0.1938, 0.1997 looks on a white background.

Color Contrast Check

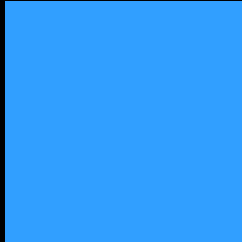
Large Text (above 18pt) WCAG AA × Fail

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 32.6692, 0.1938, 0.1997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

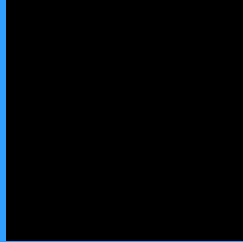
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

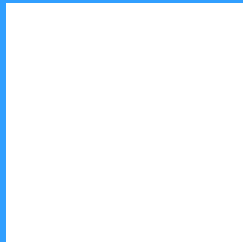
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6692, 0.1938, 0.1997

Background



This preview shows how black text looks on a background with the Yxy color 32.6692, 0.1938, 0.1997.



This preview shows how white text looks on a background with the Yxy color 32.6692, 0.1938, 0.1997.

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

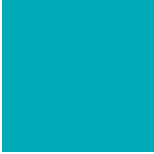
32.6692, 0.1938, 0.1997

Protanopia

32.2411, 0.2188, 0.2021

Deuteranopia

32.6411, 0.2032, 0.1974



Tritanopia

32.5447, 0.2190, 0.3084

Trichromacy



Original Color

32.6692, 0.1938, 0.1997

Protanomaly

31.9599, 0.2068, 0.1999

Deuteranomaly

32.3747, 0.1987, 0.1973

Tritanomaly

32.3695, 0.2077, 0.2628

Monochromacy



Original Color

32.6692, 0.1938, 0.1997

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.5493, 0.2474, 0.2716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6692, 0.1938, 0.1997 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(49, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 159, 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(49, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.6692, 0.1938, 0.1997 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(49, 159, 255) }
```

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

```
.border{ border-color:rgb(49, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 159,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6692, 0.1938, 0.1997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 159, 255) }
```

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

```
.background{ background-color: rgb(49, 159,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor