

Converting Colors

$Y_{xy}(32.7852, 0.1973, 0.2032)$

Have a look what the booklet for
Yxy(32.7852, 0.1973, 0.2032)
contains.

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Color

Yxy(32.7852, 0.1973, 0.2032)

Conversions

Conversions Part 1

Format	Color
Hex	3C9FFC
RGB	60, 159, 252
RGB Percent	24%, 62%, 99%
CMY	0.7643, 0.3765, 0.0119
CMYK	0.76, 0.37, 0.00, 0.01
HSL	209°, 97%, 61%
HSV	209°, 76%, 99%
XYZ	31.8333, 32.7852, 96.7260
YIQ	140.0010, -88.8570, 7.9350

Conversions

Conversions Part 2

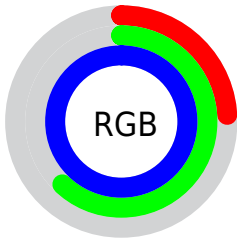
Format	Color
R _{YB}	60, 125, 252
Decimal	3973116
CIE _{Lab}	63.99, 2.46, -54.35
CIE _{LCh}	64, 54.409, 272.592
Y _{xy}	32.7852, 0.1973, 0.2032
Android (android.graphics.Color)	4282163196 (0xFF3C9FFC)
Y _{UV}	140.0010, 55.2155, -70.1609
Hunter-Lab	57.2584, -0.9636, -60.0772

Details

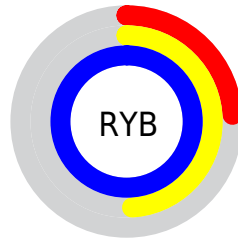
The Yxy color **32.7852, 0.1973, 0.2032** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **43.8282, 0.4931, 0.4128**, and the grayscale version is **26.0446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7140, 0.2394, 0.2784**, and **14.6653, 0.1821, 0.1756** is the 20% darker color. If you saturate the color by 10%, you get **28.1839, 0.1875, 0.1844**, and if you desaturate by 10%, it is **38.1768, 0.2094, 0.2224**.

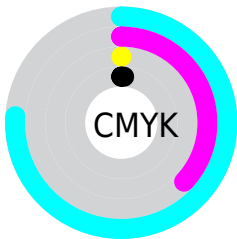
Distribution



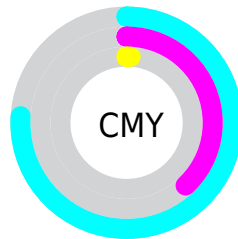
- Red (24%)
- Green (62%)
- Blue (99%)



- Red (24%)
- Yellow (49%)
- Blue (99%)



- Cyan (76%)
- Magenta (37%)
- Yellow (0%)
- Black (1%)





- Cyan (76%)
- Magenta (38%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7852, 0.1973, 0.2032 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 32.7852, 0.1973, 0.2032 by changing the saturation by 10% instead.


 32.7852, 0.1973,
0.2032


 32.7852, 0.1973,
0.2032


314.6807, 0.2544,
0.2650


 21.9619, 0.1839,
0.1888


 64.0400, 0.2175,
0.2250


 13.8289, 0.1673,
0.1711


 85.2404, 0.2253,
0.2334

 8.0018, 0.1467,
0.1492


 110.6686, 0.2320,
0.2406

 4.0961, 0.1207,
0.1217

 140.7090, 0.2377,
0.2468

 1.7275, 0.0882,
0.0877

175.7460, 0.2427,
0.2522

 0.4413, 0.0459,
0.0422

216.1640, 0.2471,

 0.0000, 0.0000,

0.2570

0.0000

262.3475, 0.2509,
0.2612

■ 32.7852, 0.1973,
0.2032

■ 32.7852, 0.1973,
0.2032

■ 28.1839, 0.1875,
0.1844

■ 38.1768, 0.2094,
0.2224

■ 24.2996, 0.1801,
0.1665

■ 44.4139, 0.2233,
0.2414

■ 22.9581, 0.1777,
0.1598

■ 51.5485, 0.2385,
0.2598

■ 59.6266, 0.2546,
0.2772

■ 68.6903, 0.2710,
0.2934

■ 78.7787, 0.2873,
0.3082

■ 89.9286, 0.3032,
0.3215

99.8068, 0.3145,
0.3319

Harmonies

Analogous

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



32.7852, 0.1708, 0.2253



32.7852, 0.1973, 0.2032



32.7852, 0.2535, 0.2088

Triad

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



32.7852, 0.1973, 0.2032



32.7852, 0.4743, 0.3432



32.7852, 0.2746, 0.4543

Complementary

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



32.7852, 0.1973, 0.2032



43.8282, 0.4931, 0.4128

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.



32.7852, 0.3548, 0.4873



32.7852, 0.1973, 0.2032



32.7852, 0.4746, 0.4046

Square

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



32.7852, 0.1973, 0.2032



32.7852, 0.4206, 0.2852



32.7852, 0.4282, 0.4603



32.7852, 0.2091, 0.3682

Rectangle

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



32.7852, 0.1973, 0.2032



32.7852, 0.3058, 0.2258



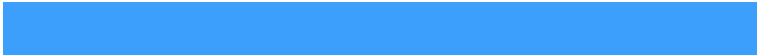
32.7852, 0.4282, 0.4603



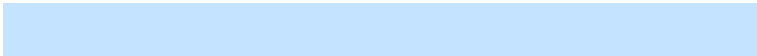
32.7852, 0.3008, 0.4729

Sweetspot

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



32.7862, 0.1973, 0.2032



73.7109, 0.2761, 0.2982



72.8650, 0.2698, 0.4636



15.0055, 0.2702, 0.2926



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.



32.7862, 0.1973, 0.2032



26.9121, 0.1836, 0.1755



11.5793, 0.1685, 0.0919



18.1228, 0.2980, 0.3172



12.2583, 0.1785, 0.1627



1.3477, 0.1844, 0.1838

Inverse Universe

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



26.4369, 0.4372, 0.2407



23.8404, 0.4729, 0.2426



88.6334, 0.4134, 0.4901



17.3746, 0.3213, 0.3168



11.6484, 0.4897, 0.2471



1.1003, 0.4640, 0.2330

Previews

White Background



This preview shows how the Yxy color 32.7852, 0.1973, 0.2032 looks on a white background.

Color Contrast Check

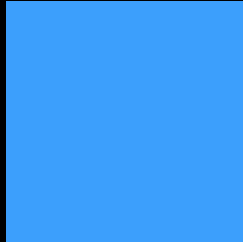
Large Text (above 18pt) WCAG AA × Fail

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 32.7852, 0.1973, 0.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

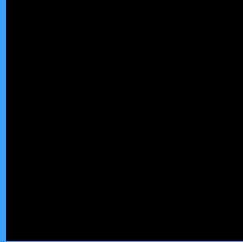
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

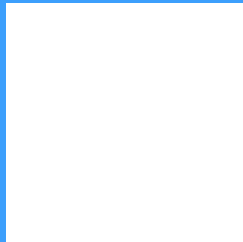
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7852, 0.1973, 0.2032

Background



This preview shows how black text looks on a background with the Yxy color 32.7852, 0.1973, 0.2032.



This preview shows how white text looks on a background with the Yxy color 32.7852, 0.1973, 0.2032.

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

32.7852, 0.1973, 0.2032

Protanopia

32.5773, 0.2210, 0.2056

Deuteranopia

32.7587, 0.2059, 0.1998



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.7852, 0.1973, 0.2032

Protanomaly

32.4299, 0.2100, 0.2038

Deuteranomaly

32.5743, 0.2020, 0.1999

Tritanomaly

32.4115, 0.2081, 0.2629

Monochromacy



Original Color

32.7852, 0.1973, 0.2032

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.5831, 0.2517, 0.2741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7852, 0.1973, 0.2032 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(60, 159, 252)` looks like.

```
.text, #text, p{  
    color:rgb(60, 159, 252)  
}
```

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(60, 159, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 159, 252) }
```

Border

The CSS property to change the border of an element to Yxy 32.7852, 0.1973, 0.2032 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(60, 159, 252) }
```

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

```
.border{ border-color:rgb(60, 159, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 159, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 159, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 159, 252);  
box-shadow:4px 4px 4px 4px rgb(60, 159,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7852, 0.1973, 0.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 159, 252) }
```

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

```
.background{ background-color: rgb(60, 159,  
252) }
```

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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