

Converting Colors

$Y_{xy}(32.8473, 0.1974, 0.1996)$

Have a look what the booklet for
Yxy(32.8473, 0.1974, 0.1996)
contains.

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Color

Yxy(32.7975, 0.1973, 0.1994)

Conversions

Conversions Part 1

Format	Color
Hex	419EFF
RGB	65, 158, 255
RGB Percent	25%, 62%, 100%
CMY	0.7455, 0.3803, 0.0000
CMYK	0.75, 0.38, 0.00, 0.00
HSL	211°, 100%, 63%
HSV	211°, 75%, 100%
XYZ	32.4521, 32.7975, 99.2314
YIQ	141.2510, -86.5650, 10.4510

Conversions

Conversions Part 2

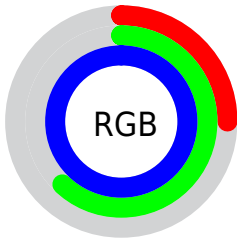
Format	Color
R _{YB}	65, 127, 255
Decimal	4300543
CIE Lab	64.00, 4.65, -55.98
CIE LCh	64, 56.175, 274.751
Yxy	32.7975, 0.1973, 0.1994
Android (android.graphics.Color)	4282490623 (0xFF419EFF)
YUV	141.2510, 56.0783, -66.8721
Hunter-Lab	57.2691, 0.9278, -62.6446

Details

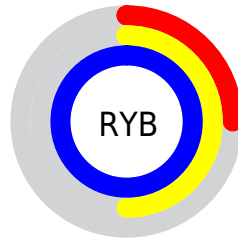
The Yxy color **32.7975, 0.1973, 0.1994** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **47.4446, 0.4842, 0.4170**, and the grayscale version is **26.5321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5412, 0.2411, 0.2774**, and **14.5926, 0.1808, 0.1707** is the 20% darker color. If you saturate the color by 10%, you get **27.9103, 0.1868, 0.1796**, and if you desaturate by 10%, it is **38.5482, 0.2101, 0.2196**.

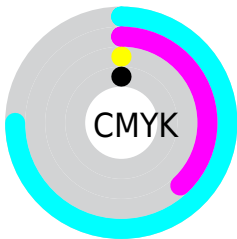
Distribution



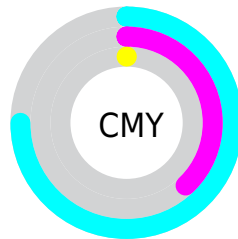
- Red (25%)
- Green (62%)
- Blue (100%)



- Red (25%)
- Yellow (50%)
- Blue (100%)



- Cyan (75%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7975, 0.1973, 0.1994 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 32.7975, 0.1973, 0.1994 by changing the saturation by 10% instead.


 32.7975, 0.1973,
0.1994


 32.7975, 0.1973,
0.1994


314.7363, 0.2544,
0.2626

 21.9714, 0.1839,
0.1848


 64.0592, 0.2175,
0.2216


 13.8359, 0.1674,
0.1670


 85.2636, 0.2253,
0.2302

 8.0066, 0.1469,
0.1449


 110.6963, 0.2319,
0.2375

 4.0992, 0.1210,
0.1176

 140.7415, 0.2377,
0.2439

 1.7292, 0.0889,
0.0841

175.7837, 0.2427,
0.2495

 0.4424, 0.0483,
0.0400

216.2073, 0.2470,

 0.0000, 0.0000,

0.2544

0.0000

262.3967, 0.2509,
0.2587

■ 32.7975, 0.1973,
0.1994

■ 32.7975, 0.1973,
0.1994

■ 27.9103, 0.1868,
0.1796

■ 38.5482, 0.2101,
0.2196

■ 23.8125, 0.1788,
0.1608

■ 45.2211, 0.2246,
0.2396

■ 21.8605, 0.1753,
0.1511

■ 52.8705, 0.2404,
0.2589

■ 61.5450, 0.2568,
0.2772

■ 71.2893, 0.2734,
0.2940

■ 82.1450, 0.2898,
0.3094

■ 94.1512, 0.3057,
0.3232

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.7975, 0.1681, 0.2195



32.7975, 0.1973, 0.1994



32.7975, 0.2569, 0.2071

Triad

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



32.7975, 0.1973, 0.1994



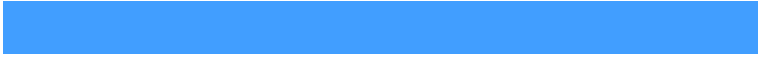
32.7975, 0.4813, 0.3474



32.7975, 0.2674, 0.4538

Complementary

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



32.7975, 0.1973, 0.1994



47.4446, 0.4842, 0.4170

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.



32.7975, 0.3495, 0.4926



32.7975, 0.1973, 0.1994



32.7975, 0.4771, 0.4103

Square

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



32.7975, 0.1973, 0.1994



32.7975, 0.4295, 0.2878



32.7975, 0.4262, 0.4671



32.7975, 0.2023, 0.3621

Rectangle

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



32.7975, 0.1973, 0.1994



32.7975, 0.3118, 0.2255



32.7975, 0.4262, 0.4671



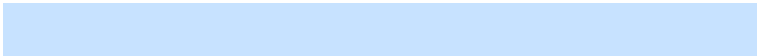
32.7975, 0.2940, 0.4747

Sweetspot

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



32.7982, 0.1973, 0.1994



73.9463, 0.2776, 0.2981



75.1771, 0.2686, 0.4560



15.2224, 0.2732, 0.2938



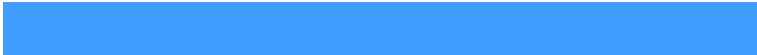
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.7982, 0.1973, 0.1994



25.9926, 0.1829, 0.1711



12.1106, 0.1701, 0.0932



18.8468, 0.2979, 0.3166



11.7196, 0.1761, 0.1540



1.3590, 0.1819, 0.1748

Inverse Universe

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



27.4990, 0.4407, 0.2458



23.9630, 0.4777, 0.2471



93.1606, 0.4103, 0.4904



18.1354, 0.3217, 0.3174



11.9111, 0.5008, 0.2532



1.1817, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 32.7975, 0.1973, 0.1994 looks on a white background.

Color Contrast Check

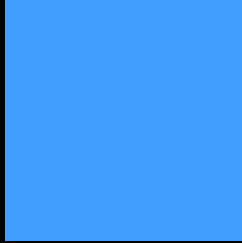
Large Text (above 18pt) WCAG AA × Fail

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 32.7975, 0.1973, 0.1994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

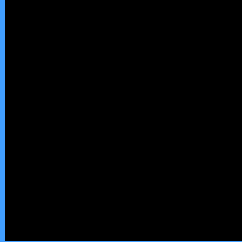
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

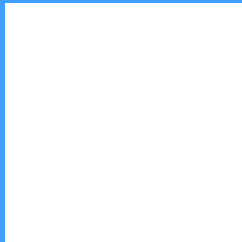
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7975, 0.1973, 0.1994

Background



This preview shows how black text looks on a background with the Yxy color 32.7975, 0.1973, 0.1994.



This preview shows how white text looks on a background with the Yxy color 32.7975, 0.1973, 0.1994.

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

32.7975, 0.1973, 0.1994

Protanopia

32.6235, 0.2186, 0.2025

Deuteranopia

32.7374, 0.2040, 0.1976

Trichromacy



Original Color

32.7975, 0.1973, 0.1994

Protanomaly

32.6176, 0.2089, 0.2010

Deuteranomaly

32.7024, 0.2014, 0.1981

Monochromacy



Original Color

32.7975, 0.1973, 0.1994

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.7555, 0.2526, 0.2729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7975, 0.1973, 0.1994 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(65, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.7975, 0.1973, 0.1994 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(65, 158, 255) }
```

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

```
.border{ border-color:rgb(65, 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(65, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 158,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 32.7975, 0.1973, 0.1994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 158, 255) }
```

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

```
.background{ background-color: rgb(65, 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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