

Converting Colors

$Y_{xy}(32.9435, 0.1971, 0.2100)$

Have a look what the booklet for
Yxy(32.9435, 0.1971, 0.2100)
contains.

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Color

Yxy(32.8832, 0.1972, 0.2102)

Conversions

Conversions Part 1

Format	Color
Hex	32A1F7
RGB	50, 161, 247
RGB Percent	20%, 63%, 97%
CMY	0.8036, 0.3686, 0.0314
CMYK	0.80, 0.35, 0.00, 0.03
HSL	206°, 92%, 58%
HSV	206°, 80%, 97%
XYZ	30.8495, 32.8832, 92.7050
YIQ	137.6150, -93.7620, 3.2140

Conversions

Conversions Part 2

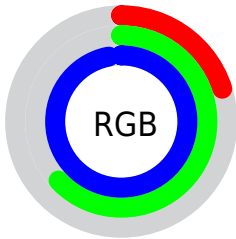
Format	Color
R _Y B	50, 121, 247
Decimal	3318263
CIE Lab	64.07, -1.50, -51.51
CIE LCh	64, 51.535, 268.335
Yxy	32.8832, 0.1972, 0.2102
Android (android.graphics.Color)	4281508343 (0xFF32A1F7)
YUV	137.6150, 53.9268, -76.8384
Hunter-Lab	57.3439, -4.3234, -55.7105

Details

The Yxy color **32.8832, 0.1972, 0.2102** 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 **37.6323, 0.5125, 0.4040**, and the grayscale version is **25.0892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1809, 0.2368, 0.2805**, and **14.8696, 0.1846, 0.1846** is the 20% darker color. If you saturate the color by 10%, you get **28.8069, 0.1888, 0.1933**, and if you desaturate by 10%, it is **37.6251, 0.2078, 0.2274**.

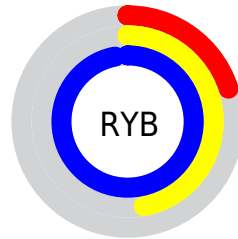
Distribution



Red (20%)

Green (63%)

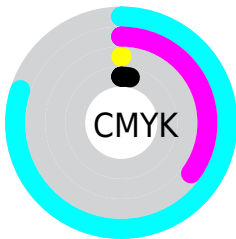
Blue (97%)



Red (20%)

Yellow (47%)

Blue (97%)

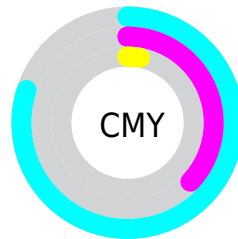


Cyan (80%)

Magenta (35%)

Yellow (0%)

Black (3%)



Cyan (80%)


Magenta (37%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8832, 0.1972, 0.2102 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 32.8832, 0.1972, 0.2102 by changing the saturation by 10% instead.


 32.8832, 0.1972,
0.2102


 32.8832, 0.1972,
0.2102


315.1231, 0.2543,
0.2692


 22.0370, 0.1837,
0.1962


 64.1931, 0.2175,
0.2312

 13.8841, 0.1671,
0.1789


 85.4256, 0.2253,
0.2393

 8.0401, 0.1463,
0.1571


 110.8890, 0.2319,
0.2461

 4.1206, 0.1200,
0.1296

 140.9677, 0.2376,
0.2520

 1.7413, 0.0870,
0.0948

 176.0461, 0.2426,
0.2572

 0.4502, 0.0411,
0.0472

216.5085, 0.2470,

 0.0000, 0.0000,

0.2617

0.0000

262.7394, 0.2509,
0.2657

■ 32.8832, 0.1972,
0.2102

■ 32.8832, 0.1972,
0.2102

■ 28.8069, 0.1888,
0.1933

■ 37.6251, 0.2078,
0.2274

■ 25.3080, 0.1826,
0.1771

■ 43.0850, 0.2204,
0.2446

■ 25.2160, 0.1824,
0.1767

■ 49.3115, 0.2346,
0.2612

■ 56.3470, 0.2498,
0.2771

■ 64.2302, 0.2656,
0.2920

■ 72.9966, 0.2817,
0.3057

■ 82.6794, 0.2976,
0.3181

■ 93.3099, 0.3131,
0.3293

■ 99.4945, 0.3174,
0.3367

Harmonies

Analogous

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



32.8832, 0.1757, 0.2361



32.8832, 0.1972, 0.2102



32.8832, 0.2473, 0.2118

Triad

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



32.8832, 0.1972, 0.2102



32.8832, 0.4615, 0.3352



32.8832, 0.2876, 0.4549

Complementary

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



32.8832, 0.1972, 0.2102



37.6323, 0.5125, 0.4040

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.



32.8832, 0.3644, 0.4780



32.8832, 0.1972, 0.2102



32.8832, 0.4697, 0.3941

Square

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



32.8832, 0.1972, 0.2102



32.8832, 0.4044, 0.2803



32.8832, 0.4316, 0.4482



32.8832, 0.2218, 0.3789

Rectangle

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



32.8832, 0.1972, 0.2102



32.8832, 0.2952, 0.2261



32.8832, 0.4316, 0.4482



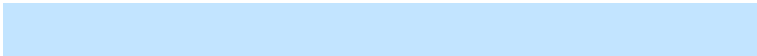
32.8832, 0.3130, 0.4696

Sweetspot

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



32.8843, 0.1972, 0.2102



74.3002, 0.2748, 0.2999



68.9543, 0.2740, 0.4847



15.1914, 0.2690, 0.2950



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.



32.8843, 0.1972, 0.2102



28.4949, 0.1847, 0.1828



10.9738, 0.1659, 0.0915



17.4757, 0.2980, 0.3184



13.6255, 0.1832, 0.1793



1.4019, 0.1888, 0.1998

Inverse Universe

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



24.6336, 0.4308, 0.2311



23.6225, 0.4648, 0.2351



78.7685, 0.4224, 0.4871



16.6389, 0.3205, 0.3157



11.4749, 0.4693, 0.2359



1.0292, 0.4456, 0.2228

Previews

White Background



This preview shows how the Yxy color 32.8832, 0.1972, 0.2102 looks on a white background.

Color Contrast Check

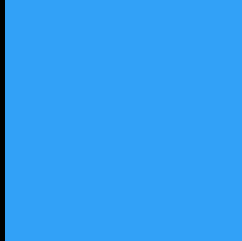
Large Text (above 18pt) WCAG AA × Fail

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 32.8832, 0.1972, 0.2102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

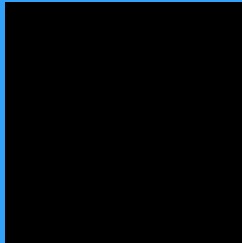
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

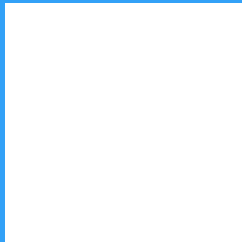
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8832, 0.1972, 0.2102

Background



This preview shows how black text looks on a background with the Yxy color 32.8832, 0.1972, 0.2102.



This preview shows how white text looks on a background with the Yxy color 32.8832, 0.1972, 0.2102.

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

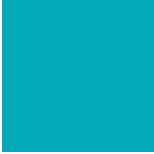
32.8832, 0.1972, 0.2102

Protanopia

32.4438, 0.2267, 0.2130

Deuteranopia

32.8789, 0.2104, 0.2043



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.8832, 0.1972, 0.2102

Protanomaly

32.2804, 0.2127, 0.2118

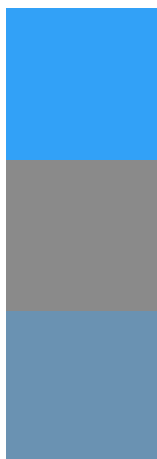
Deuteranomaly

32.6406, 0.2045, 0.2060

Tritanomaly

32.2710, 0.2084, 0.2655

Monochromacy



Original Color

32.8832, 0.1972, 0.2102

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.8363, 0.2498, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8832, 0.1972, 0.2102 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(50, 161, 247)` looks like.

```
.text, #text, p{  
    color:rgb(50, 161, 247)  
}
```

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(50, 161, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 161, 247) }
```

Border

The CSS property to change the border of an element to Yxy 32.8832, 0.1972, 0.2102 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(50, 161, 247) }
```

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

```
.border{ border-color:rgb(50, 161, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 161, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 161, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 161, 247);  
box-shadow:4px 4px 4px 4px rgb(50, 161,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8832, 0.1972, 0.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 161, 247) }
```

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

```
.background{ background-color: rgb(50, 161,  
247) }
```

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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