

Converting Colors

$Y_{xy}(32.6489, 0.1912, 0.2002)$

Have a look what the booklet for
Yxy(32.6489, 0.1912, 0.2002)
contains.

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Color

Yxy(32.6529, 0.1912, 0.2002)

Conversions

Conversions Part 1

Format	Color
Hex	1FA0FF
RGB	31, 160, 255
RGB Percent	12%, 63%, 100%
CMY	0.8784, 0.3725, 0.0000
CMYK	0.88, 0.37, 0.00, 0.00
HSL	205°, 100%, 56%
HSV	205°, 88%, 100%
XYZ	31.1850, 32.6529, 99.2635
YIQ	132.2590, -107.3790, 2.1970

Conversions

Conversions Part 2

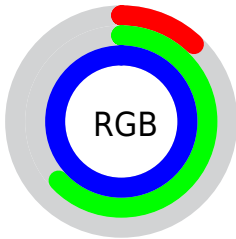
Format	Color
R _Y B	31, 113, 255
Decimal	2072831
CIE Lab	63.88, 0.55, -56.21
CIE LCh	64, 56.208, 270.562
Yxy	32.6529, 0.1912, 0.2002
Android (android.graphics.Color)	4280262911 (0xFF1FA0FF)
YUV	132.2590, 60.5113, -88.8041
Hunter-Lab	57.1427, -2.5854, -62.9937

Details

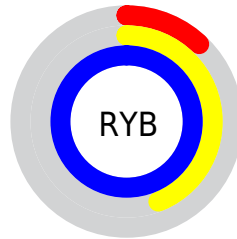
The Yxy color **32.6529, 0.1912, 0.2002** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **36.2823, 0.5382, 0.3989**, and the grayscale version is **22.9814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2351, 0.2341, 0.2789**, and **15.0145, 0.1817, 0.1742** is the 20% darker color. If you saturate the color by 10%, you get **28.8098, 0.1848, 0.1843**, and if you desaturate by 10%, it is **37.1324, 0.1998, 0.2167**.

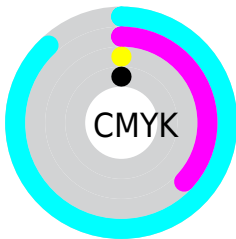
Distribution



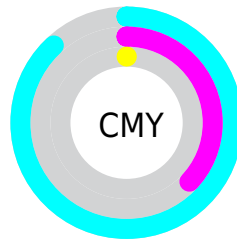
- Red (12%)
- Green (63%)
- Blue (100%)



- Red (12%)
- Yellow (44%)
- Blue (100%)



- Cyan (88%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (88%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6529, 0.1912, 0.2002 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 32.6529, 0.1912, 0.2002 by changing the saturation by 10% instead.

 32.6529, 0.1912,
0.2002


 32.6529, 0.1912,
0.2002


314.0828, 0.2509,
0.2634


 21.8607, 0.1773,
0.1855


 63.8332, 0.2123,
0.2225

 13.7546, 0.1603,
0.1676


 84.9901, 0.2204,
0.2311

 7.9502, 0.1392,
0.1453


 110.3707, 0.2273,
0.2384

 4.0631, 0.1129,
0.1177

 140.3594, 0.2334,
0.2448

 1.7089, 0.0808,
0.0839

 175.3406, 0.2386,
0.2504

 0.4294, 0.0386,
0.0393

215.6986, 0.2432,

 0.0000, 0.0000,

0.2552

0.0000

261.8178, 0.2473,
0.2596

■ 32.6529, 0.1912,
0.2002

■ 32.6529, 0.1912,
0.2002

■ 28.8098, 0.1848,
0.1843

■ 37.1324, 0.1998,
0.2167

■ 28.0404, 0.1836,
0.1809

■ 42.3198, 0.2106,
0.2335

■ 48.2735, 0.2234,
0.2501

■ 55.0431, 0.2376,
0.2661

■ 62.6730, 0.2529,
0.2814

71.2034, 0.2687,
0.2956

80.6718, 0.2847,
0.3087

91.1129, 0.3006,
0.3206

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



32.6529, 0.1662, 0.2247



32.6529, 0.1912, 0.2002



32.6529, 0.2467, 0.2043

Triad

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



32.6529, 0.1912, 0.2002



32.6529, 0.4777, 0.3387



32.6529, 0.2783, 0.4638

Complementary

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



32.6529, 0.1912, 0.2002



36.2823, 0.5382, 0.3989

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.



32.6529, 0.3610, 0.4926



32.6529, 0.1912, 0.2002



32.6529, 0.4812, 0.4017

Square

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



32.6529, 0.1912, 0.2002



32.6529, 0.4188, 0.2800



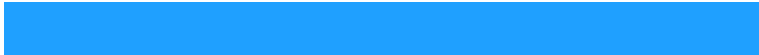
32.6529, 0.4356, 0.4605



32.6529, 0.2094, 0.3761

Rectangle

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



32.6529, 0.1912, 0.2002



32.6529, 0.2995, 0.2207



32.6529, 0.4356, 0.4605



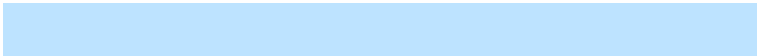
32.6529, 0.3054, 0.4815

Sweetspot

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



32.6539, 0.1912, 0.2002



72.8737, 0.2716, 0.2981



73.2735, 0.2768, 0.5072



14.9304, 0.2661, 0.2934



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.



32.6539, 0.1912, 0.2002



28.0411, 0.1836, 0.1809



9.7652, 0.1580, 0.0781



19.1151, 0.2979, 0.3187



14.9543, 0.1843, 0.1835



1.6727, 0.1893, 0.2016

Inverse Universe

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



24.7783, 0.4437, 0.2287



23.3619, 0.4675, 0.2349



81.5406, 0.4302, 0.4901



18.1625, 0.3204, 0.3154



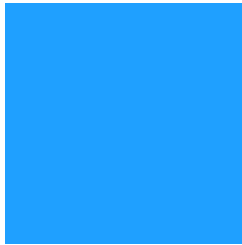
12.2376, 0.4644, 0.2332



1.2134, 0.4435, 0.2217

Previews

White Background



This preview shows how the Yxy color 32.6529, 0.1912, 0.2002 looks on a white background.

Color Contrast Check

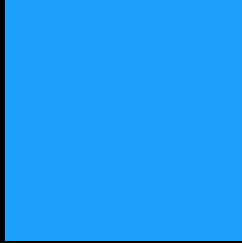
Large Text (above 18pt) WCAG AA × Fail

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 32.6529, 0.1912, 0.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

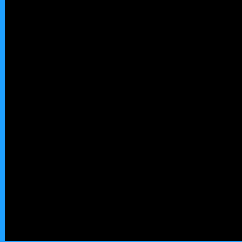
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

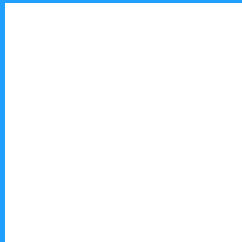
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6529, 0.1912, 0.2002

Background



This preview shows how black text looks on a background with the Yxy color 32.6529, 0.1912, 0.2002.



This preview shows how white text looks on a background with the Yxy color 32.6529, 0.1912, 0.2002.

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

32.6529, 0.1912, 0.2002

Protanopia

32.2484, 0.2198, 0.2032

Deuteranopia

32.6411, 0.2032, 0.1974



Tritanopia

32.5447, 0.2190, 0.3084

Trichromacy



Original Color

32.6529, 0.1912, 0.2002

Protanomaly

31.9292, 0.2050, 0.2015

Deuteranomaly

32.4922, 0.1973, 0.1981

Tritanomaly

32.3120, 0.2070, 0.2627

Monochromacy



Original Color

32.6529, 0.1912, 0.2002

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.9532, 0.2413, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6529, 0.1912, 0.2002 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(31, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 160, 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(31, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.6529, 0.1912, 0.2002 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(31, 160, 255) }
```

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

```
.border{ border-color:rgb(31, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6529, 0.1912, 0.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 160, 255) }
```

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

```
.background{ background-color: rgb(31, 160,  
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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