

Converting Colors

$Y_{xy}(32.2020, 0.2261, 0.1902)$

Have a look what the booklet for
Yxy(32.2020, 0.2261, 0.1902)
contains.

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Color

Yxy(32.2682, 0.2264, 0.1904)

Conversions

Conversions Part 1

Format	Color
Hex	8A8FFF
RGB	138, 143, 255
RGB Percent	54%, 56%, 100%
CMY	0.4584, 0.4393, 0.0000
CMYK	0.46, 0.44, 0.00, 0.00
HSL	238°, 100%, 77%
HSV	238°, 46%, 100%
XYZ	38.3693, 32.2682, 98.8383
YIQ	154.2730, -38.9320, 33.7720

Conversions

Conversions Part 2

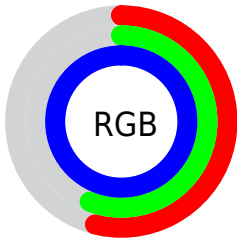
Format	Color
RYB	138, 143, 255
Decimal	9080831
CIELab	63.56, 26.58, -56.47
CIELCh	64, 62.416, 295.209
Yxy	32.2682, 0.2264, 0.1904
Android (android.graphics.Color)	4287270911 (0xFF8A8FFF)
YUV	154.2730, 49.6584, -14.2714
Hunter-Lab	56.8051, 21.1599, -63.3983

Details

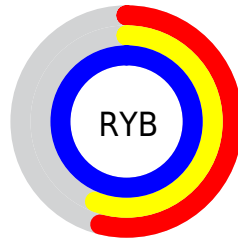
The Yxy color **32.2682, 0.2264, 0.1904** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.5523, 0.3828, 0.4377**, and the grayscale version is **32.2368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8883, 0.2732, 0.2647**, and **13.5682, 0.2015, 0.1577** is the 20% darker color. If you saturate the color by 10%, you get **23.7864, 0.2053, 0.1558**, and if you desaturate by 10%, it is **42.8570, 0.2477, 0.2251**.

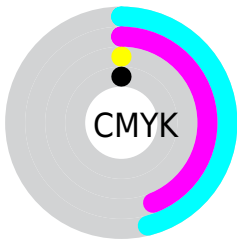
Distribution



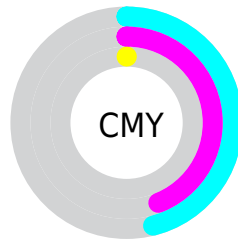
- Red (54%)
- Green (56%)
- Blue (100%)



- Red (54%)
- Yellow (56%)
- Blue (100%)



- Cyan (46%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2682, 0.2264, 0.1904 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 32.2682, 0.2264, 0.1904 by changing the saturation by 10% instead.


 32.2682, 0.2264,
0.1904


 32.2682, 0.2264,
0.1904


312.3392, 0.2708,
0.2559


 21.5664, 0.2155,
0.1757


 63.2313, 0.2425,
0.2130

 13.5387, 0.2018,
0.1580


 84.2614, 0.2486,
0.2219

 7.8005, 0.1841,
0.1363

 109.5031, 0.2537,
0.2295

 3.9676, 0.1610,
0.1097

139.3408, 0.2581,
0.2362

 1.6554, 0.1303,
0.0777

174.1589, 0.2619,
0.2420

 0.3945, 0.0908,
0.0345

214.3417, 0.2652,

 0.0000, 0.0000,

0.2472

0.0000

260.2737, 0.2682,
0.2518

■ 32.2682, 0.2264,
0.1904

■ 32.2682, 0.2264,
0.1904

■ 23.7864, 0.2053,
0.1558

■ 42.8570, 0.2477,
0.2251

■ 17.2728, 0.1859,
0.1235

■ 55.6832, 0.2681,
0.2580

■ 12.5683, 0.1698,
0.0962

■ 70.8642, 0.2869,
0.2880

■ 9.4901, 0.1583,
0.0762

■ 88.5094, 0.3038,
0.3149

■ 7.8166, 0.1519,
0.0644

100.0000, 0.3127,
0.3290

■ 7.4506, 0.1505,
0.0617

Harmonies

Analogous

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



32.2682, 0.1729, 0.1905



32.2682, 0.2264, 0.1904



32.2682, 0.3125, 0.2165

Triad

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



32.2682, 0.2264, 0.1904



32.2682, 0.5021, 0.3928



32.2682, 0.2094, 0.4015

Complementary

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



32.2682, 0.2264, 0.1904



91.5523, 0.3828, 0.4377

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.



32.2682, 0.2886, 0.4934



32.2682, 0.2264, 0.1904



32.2682, 0.4578, 0.4603

Square

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



32.2682, 0.2264, 0.1904



32.2682, 0.4888, 0.3255



32.2682, 0.3792, 0.5082



32.2682, 0.1626, 0.2936

Rectangle

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



32.2682, 0.2264, 0.1904



32.2682, 0.3807, 0.2463



32.2682, 0.3792, 0.5082



32.2682, 0.2329, 0.4379

Sweetspot

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



32.2674, 0.2264, 0.1904



73.9267, 0.2902, 0.2932



83.7812, 0.2538, 0.3355



15.0574, 0.2864, 0.2871



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.



32.2674, 0.2264, 0.1904



24.4228, 0.2071, 0.1587



36.4646, 0.2638, 0.1981



17.4989, 0.2978, 0.3054



3.9454, 0.1507, 0.0625



0.4249, 0.1523, 0.0683

Inverse Universe

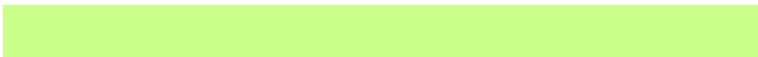
The Inverse Universe completely reimagines the original color for something new.



41.4485, 0.4327, 0.3243



34.8349, 0.4718, 0.3237



85.9698, 0.3447, 0.4572



17.9993, 0.3288, 0.3281



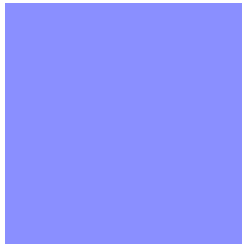
11.1263, 0.6359, 0.3277



1.0874, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 32.2682, 0.2264, 0.1904 looks on a white background.

Color Contrast Check

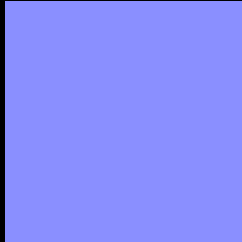
Large Text (above 18pt) WCAG AA × Fail

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 32.2682, 0.2264, 0.1904 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 32.2682, 0.2264, 0.1904

Background



This preview shows how black text looks on a background with the Yxy color 32.2682, 0.2264, 0.1904.



This preview shows how white text looks on a background with the Yxy color 32.2682, 0.2264, 0.1904.

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

32.2682, 0.2264, 0.1904

Protanopia

32.3477, 0.2123, 0.1940

Deuteranopia

32.3636, 0.2059, 0.1993



Tritanopia

32.2587, 0.2636, 0.3082

Trichromacy



Original Color

32.2682, 0.2264, 0.1904

Protanomaly

32.0805, 0.2167, 0.1919

Deuteranomaly

32.0927, 0.2121, 0.1954

Tritanomaly

31.7081, 0.2484, 0.2570

Monochromacy



Original Color

32.2682, 0.2264, 0.1904

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.8702, 0.2753, 0.2698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2682, 0.2264, 0.1904 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(138, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 143, 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(138, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.2682, 0.2264, 0.1904 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(138, 143, 255) }
```

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

```
.border{ border-color:rgb(138, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2682, 0.2264, 0.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 143, 255) }
```

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

```
.background{ background-color: rgb(138,  
143, 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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