

Converting Colors

$Y_{xy}(32.0987, 0.2178, 0.1917)$

Have a look what the booklet for
Yxy(32.0987, 0.2178, 0.1917)
contains.

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Color

Yxy(32.2250, 0.2178, 0.1922)

Conversions

Conversions Part 1

Format	Color
Hex	7A93FF
RGB	122, 147, 255
RGB Percent	48%, 58%, 100%
CMY	0.5214, 0.4236, 0.0000
CMYK	0.52, 0.42, 0.00, 0.00
HSL	229°, 100%, 74%
HSV	229°, 52%, 100%
XYZ	36.5172, 32.2250, 98.9217
YIQ	151.8370, -49.5680, 28.2880

Conversions

Conversions Part 2

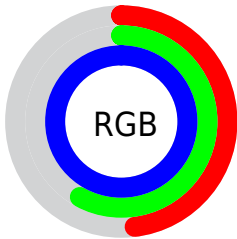
Format	Color
R _Y B	122, 143, 255
Decimal	8033279
CIE Lab	63.53, 20.69, -56.59
CIE LCh	64, 60.252, 290.087
Yxy	32.2250, 0.2178, 0.1922
Android (android.graphics.Color)	4286223359 (0xFF7A93FF)
YUV	151.8370, 50.8594, -26.1670
Hunter-Lab	56.7671, 15.4834, -63.5812

Details

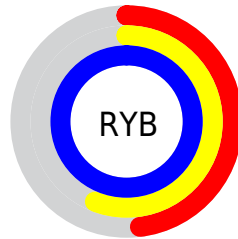
The Yxy color **32.2250, 0.2178, 0.1922** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **79.2952, 0.4009, 0.4351**, and the grayscale version is **31.1215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8170, 0.2639, 0.2677**, and **13.5564, 0.1914, 0.1595** is the 20% darker color. If you saturate the color by 10%, you get **24.7276, 0.1990, 0.1617**, and if you desaturate by 10%, it is **41.3701, 0.2376, 0.2227**.

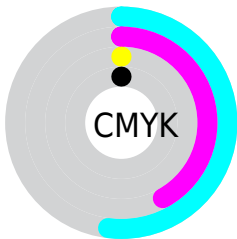
Distribution



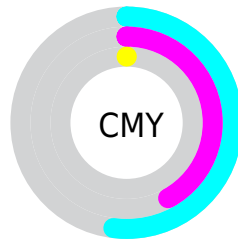
- Red (48%)
- Green (58%)
- Blue (100%)



- Red (48%)
- Yellow (56%)
- Blue (100%)



- Cyan (52%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2250, 0.2178, 0.1922 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 32.2250, 0.2178, 0.1922 by changing the saturation by 10% instead.


 32.2250, 0.2178,
0.1922


 32.2250, 0.2178,
0.1922


312.1429, 0.2660,
0.2574


 21.5334, 0.2061,
0.1775


 63.1637, 0.2352,
0.2148

 13.5145, 0.1915,
0.1596


 84.1795, 0.2418,
0.2237

 7.7838, 0.1728,
0.1378


 109.4056, 0.2474,
0.2313

 3.9569, 0.1487,
0.1109

139.2263, 0.2522,
0.2379

 1.6495, 0.1172,
0.0785

174.0259, 0.2563,
0.2437

 0.3906, 0.0778,
0.0346

214.1890, 0.2600,

 0.0000, 0.0000,

0.2488

0.0000

260.0999, 0.2632,
0.2533

■ 32.2250, 0.2178,
0.1922

■ 32.2250, 0.2178,
0.1922

■ 24.7276, 0.1990,
0.1617

■ 41.3701, 0.2376,
0.2227

■ 18.7776, 0.1822,
0.1328

■ 52.2566, 0.2572,
0.2518

■ 14.2616, 0.1686,
0.1074

■ 64.9694, 0.2760,
0.2788

■ 11.0494, 0.1590,
0.0871

■ 79.5884, 0.2935,
0.3031

■ 9.3200, 0.1543,
0.0753

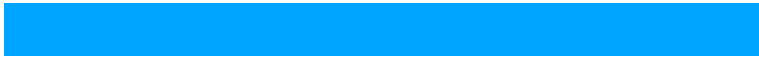
■ 96.1884, 0.3095,
0.3247

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.



32.2250, 0.1710, 0.1972



32.2250, 0.2178, 0.1922



32.2250, 0.2966, 0.2135

Triad

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



32.2250, 0.2178, 0.1922



32.2250, 0.4986, 0.3807



32.2250, 0.2241, 0.4171

Complementary

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



32.2250, 0.2178, 0.1922



79.2952, 0.4009, 0.4351

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.



32.2250, 0.3049, 0.4954



32.2250, 0.2178, 0.1922



32.2250, 0.4644, 0.4468

Square

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



32.2250, 0.2178, 0.1922



32.2250, 0.4742, 0.3155



32.2250, 0.3925, 0.4977



32.2250, 0.1722, 0.3112

Rectangle

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



32.2250, 0.2178, 0.1922



32.2250, 0.3616, 0.2405



32.2250, 0.3925, 0.4977



32.2250, 0.2488, 0.4500

Sweetspot

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



32.2246, 0.2178, 0.1922



73.7106, 0.2869, 0.2940



81.2855, 0.2566, 0.3605



15.1322, 0.2833, 0.2890



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.



32.2246, 0.2178, 0.1922



24.1548, 0.1974, 0.1591



28.8260, 0.2392, 0.1728



17.9289, 0.2979, 0.3091



5.0266, 0.1548, 0.0774



0.6292, 0.1600, 0.0960

Inverse Universe

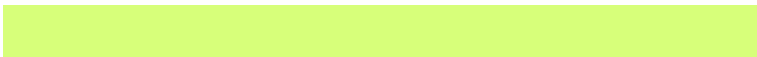
The Inverse Universe completely reimagines the original color for something new.



37.2976, 0.4356, 0.3039



30.7953, 0.4783, 0.3009



87.3909, 0.3611, 0.4687



18.0427, 0.3265, 0.3246



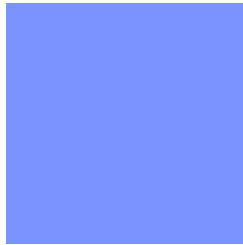
11.2354, 0.6112, 0.3141



1.1081, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 32.2250, 0.2178, 0.1922 looks on a white background.

Color Contrast Check

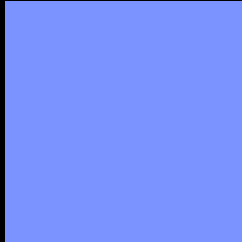
Large Text (above 18pt) WCAG AA × Fail

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 32.2250, 0.2178, 0.1922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

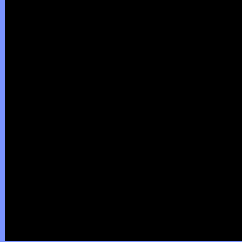
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2250, 0.2178, 0.1922

Background



This preview shows how black text looks on a background with the Yxy color 32.2250, 0.2178, 0.1922.



This preview shows how white text looks on a background with the Yxy color 32.2250, 0.2178, 0.1922.

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

32.2250, 0.2178, 0.1922

Protanopia

32.3477, 0.2123, 0.1940

Deuteranopia

32.2778, 0.2044, 0.1980



Tritanopia

32.2120, 0.2487, 0.3077

Trichromacy



Original Color

32.2250, 0.2178, 0.1922

Protanomaly

32.2923, 0.2140, 0.1934

Deuteranomaly

31.9983, 0.2082, 0.1947

Tritanomaly

31.8648, 0.2358, 0.2584

Monochromacy



Original Color

32.2250, 0.2178, 0.1922

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.1495, 0.2708, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2250, 0.2178, 0.1922 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(122, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 147, 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(122, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 147, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.2250, 0.2178, 0.1922 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(122, 147, 255) }
```

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

```
.border{ border-color:rgb(122, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 147,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2250, 0.2178, 0.1922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 147, 255) }
```

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

```
.background{ background-color: rgb(122,  
147, 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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