

Converting Colors

$Y_{xy}(32.6956, 0.2171, 0.1944)$

Have a look what the booklet for
Yxy(32.6956, 0.2171, 0.1944)
contains.

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Color

Yxy(32.7080, 0.2172, 0.1944)

Conversions

Conversions Part 1

Format	Color
Hex	7895FF
RGB	120, 149, 255
RGB Percent	47%, 58%, 100%
CMY	0.5294, 0.4157, 0.0000
CMYK	0.53, 0.42, 0.00, 0.00
HSL	227°, 100%, 74%
HSV	227°, 53%, 100%
XYZ	36.5441, 32.7080, 98.9989
YIQ	152.4130, -51.3100, 26.8180

Conversions

Conversions Part 2

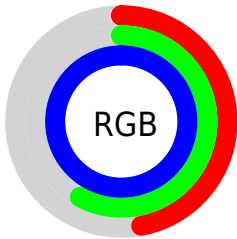
Format	Color
RYB	120, 144, 255
Decimal	7902719
CIELab	63.92, 19.08, -55.96
CIELCh	64, 59.119, 288.827
Yxy	32.7080, 0.2172, 0.1944
Android (android.graphics.Color)	4286092799 (0xFF7895FF)
YUV	152.4130, 50.5754, -28.4262
Hunter-Lab	57.1909, 13.9747, -62.5989

Details

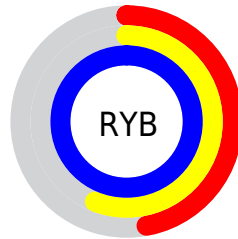
The Yxy color **32.7080, 0.2172, 0.1944** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **77.0140, 0.4042, 0.4334**, and the grayscale version is **31.3821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5156, 0.2630, 0.2699**, and **13.8417, 0.1908, 0.1621** is the 20% darker color. If you saturate the color by 10%, you get **25.3211, 0.1988, 0.1647**, and if you desaturate by 10%, it is **41.6710, 0.2366, 0.2240**.

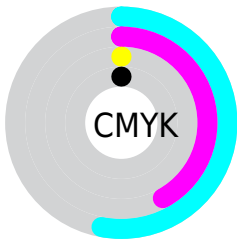
Distribution



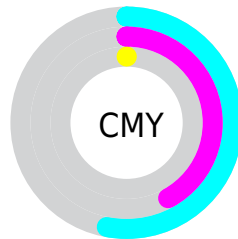
- Red (47%)
- Green (58%)
- Blue (100%)



- Red (47%)
- Yellow (56%)
- Blue (100%)



- Cyan (53%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7080, 0.2172, 0.1944 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 32.7080, 0.2172, 0.1944 by changing the saturation by 10% instead.


 32.7080, 0.2172,
0.1944

 32.7080, 0.2172,
0.1944


314.3319, 0.2656,
0.2587


 21.9028, 0.2055,
0.1799


 63.9194, 0.2346,
0.2167

 13.7855, 0.1909,
0.1622


 85.0944, 0.2412,
0.2254

 7.9717, 0.1723,
0.1405


 110.4948, 0.2468,
0.2329

 4.0768, 0.1482,
0.1138

140.5050, 0.2516,
0.2394

 1.7166, 0.1169,
0.0813

175.5095, 0.2558,
0.2451

 0.4344, 0.0775,
0.0383

215.8925, 0.2595,

 0.0000, 0.0000,

0.2502

0.0000

262.0385, 0.2627,
0.2547

■ 32.7080, 0.2172,
0.1944

■ 32.7080, 0.2172,
0.1944

■ 25.3211, 0.1988,
0.1647

■ 41.6710, 0.2366,
0.2240

■ 19.4128, 0.1824,
0.1364

■ 52.2946, 0.2560,
0.2523

■ 14.8777, 0.1692,
0.1112

■ 64.6600, 0.2747,
0.2785

■ 11.5934, 0.1598,
0.0907

■ 78.8421, 0.2922,
0.3022

■ 9.9300, 0.1554,
0.0795

■ 94.9114, 0.3083,
0.3233

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.



32.7080, 0.1724, 0.2007



32.7080, 0.2172, 0.1944



32.7080, 0.2933, 0.2144

Triad

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



32.7080, 0.2172, 0.1944



32.7080, 0.4948, 0.3776



32.7080, 0.2291, 0.4191

Complementary

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



32.7080, 0.2172, 0.1944



77.0140, 0.4042, 0.4334

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.



32.7080, 0.3092, 0.4926



32.7080, 0.2172, 0.1944



32.7080, 0.4639, 0.4425

Square

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



32.7080, 0.2172, 0.1944



32.7080, 0.4681, 0.3136



32.7080, 0.3948, 0.4928



32.7080, 0.1765, 0.3160

Rectangle

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



32.7080, 0.2172, 0.1944



32.7080, 0.3566, 0.2403



32.7080, 0.3948, 0.4928



32.7080, 0.2537, 0.4504

Sweetspot

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



32.7087, 0.2172, 0.1944



74.3014, 0.2870, 0.2952



80.9911, 0.2570, 0.3639



15.2714, 0.2834, 0.2904



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.



32.7087, 0.2172, 0.1944



24.6248, 0.1969, 0.1616



27.9504, 0.2361, 0.1696



18.0099, 0.2979, 0.3098



5.3635, 0.1561, 0.0819



0.6732, 0.1615, 0.1015

Inverse Universe

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



36.8652, 0.4341, 0.2998



30.4081, 0.4763, 0.2964



87.5901, 0.3632, 0.4699



18.0509, 0.3260, 0.3239



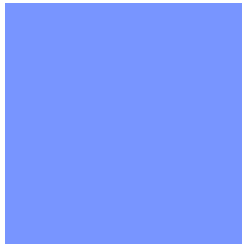
11.2694, 0.6040, 0.3101



1.1125, 0.5736, 0.2933

Previews

White Background



This preview shows how the Yxy color 32.7080, 0.2172, 0.1944 looks on a white background.

Color Contrast Check

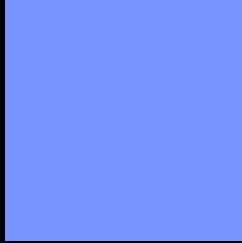
Large Text (above 18pt) WCAG AA × Fail

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 32.7080, 0.2172, 0.1944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

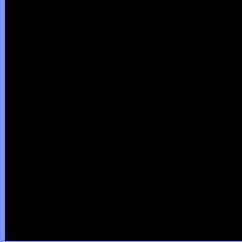
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7080, 0.2172, 0.1944

Background



This preview shows how black text looks on a background with the Yxy color 32.7080, 0.2172, 0.1944.



This preview shows how white text looks on a background with the Yxy color 32.7080, 0.2172, 0.1944.

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

32.7080, 0.2172, 0.1944

Protanopia

32.7980, 0.2135, 0.1956

Deuteranopia

32.8226, 0.2055, 0.1989



Tritanopia

32.5446, 0.2465, 0.3062

Trichromacy



Original Color

32.7080, 0.2172, 0.1944

Protanomaly

32.6775, 0.2148, 0.1948

Deuteranomaly

32.7630, 0.2097, 0.1976

Tritanomaly

32.1848, 0.2338, 0.2572

Monochromacy



Original Color

32.7080, 0.2172, 0.1944

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.3828, 0.2701, 0.2729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7080, 0.2172, 0.1944 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(120, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 149, 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(120, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 149, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.7080, 0.2172, 0.1944 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(120, 149, 255) }
```

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

```
.border{ border-color:rgb(120, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 149,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7080, 0.2172, 0.1944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 149, 255) }
```

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

```
.background{ background-color: rgb(120,  
149, 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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