

Converting Colors

$Y_{xy}(28.2346, 0.2171, 0.1748)$

Have a look what the booklet for
Yxy(28.2346, 0.2171, 0.1748)
contains.

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Color

Yxy(28.2346, 0.2171, 0.1748)

Conversions

Conversions Part 1

Format	Color
Hex	7F84FF
RGB	127, 132, 255
RGB Percent	50%, 52%, 100%
CMY	0.5015, 0.4825, 0.0000
CMYK	0.50, 0.48, 0.00, 0.00
HSL	238°, 100%, 75%
HSV	238°, 50%, 100%
XYZ	35.0671, 28.2346, 98.2235
YIQ	144.5270, -42.4630, 37.1930

Conversions

Conversions Part 2

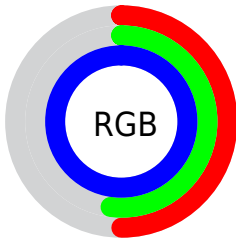
Format	Color
RYB	127, 132, 255
Decimal	8357119
CIELab	60.10, 30.59, -62.04
CIElCh	60, 69.174, 296.249
Yxy	28.2346, 0.2171, 0.1748
Android (android.graphics.Color)	4286547199 (0xFF7F84FF)
YUV	144.5270, 54.4632, -15.3712
Hunter-Lab	53.1362, 24.8122, -72.4034

Details

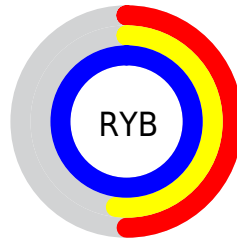
The Yxy color **28.2346, 0.2171, 0.1748** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.2527, 0.3886, 0.4471**, and the grayscale version is **27.9081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3570, 0.2653, 0.2496**, and **11.3415, 0.1898, 0.1402** is the 20% darker color. If you saturate the color by 10%, you get **20.6289, 0.1965, 0.1408**, and if you desaturate by 10%, it is **37.8992, 0.2385, 0.2098**.

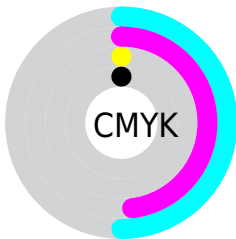
Distribution



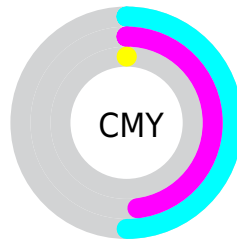
- Red (50%)
- Green (52%)
- Blue (100%)



- Red (50%)
- Yellow (52%)
- Blue (100%)



- Cyan (50%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2346, 0.2171, 0.1748 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 28.2346, 0.2171, 0.1748 by changing the saturation by 10% instead.


 28.2346, 0.2171,
0.1748


 28.2346, 0.2171,
0.1748


293.5862, 0.2668,
0.2476


 18.5026, 0.2048,
0.1587


 56.8588, 0.2352,
0.1998

 11.3114, 0.1894,
0.1394


 76.5197, 0.2420,
0.2097

 6.2767, 0.1697,
0.1162


 100.2591, 0.2478,
0.2182

 3.0141, 0.1442,
0.0885

128.4613, 0.2527,
0.2256

 1.1391, 0.1111,
0.0568

161.5107, 0.2570,
0.2321

 0.0111, 0.0713,
0.0010

199.7917, 0.2607,

 0.0000, 0.0000,

0.2379

0.0000

243.6888, 0.2639,
0.2430

■ 28.2346, 0.2171,
0.1748

■ 28.2346, 0.2171,
0.1748

■ 20.6289, 0.1965,
0.1408

■ 37.8992, 0.2385,
0.2098

■ 14.9333, 0.1783,
0.1104

■ 49.7579, 0.2594,
0.2437

■ 10.9779, 0.1641,
0.0861

■ 63.9337, 0.2790,
0.2752

■ 8.5633, 0.1548,
0.0697

■ 80.5406, 0.2968,
0.3036

■ 7.4304, 0.1505,
0.0616

99.6852, 0.3125,
0.3286

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.



28.2346, 0.1577, 0.1730



28.2346, 0.2171, 0.1748



28.2346, 0.3152, 0.2042

Triad

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



28.2346, 0.2171, 0.1748



28.2346, 0.5263, 0.3971



28.2346, 0.1911, 0.4085

Complementary

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



28.2346, 0.2171, 0.1748



91.2527, 0.3886, 0.4471

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.



28.2346, 0.2779, 0.5214



28.2346, 0.2171, 0.1748



28.2346, 0.4702, 0.4748

Square

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



28.2346, 0.2171, 0.1748



28.2346, 0.5174, 0.3237



28.2346, 0.3793, 0.5353



28.2346, 0.1428, 0.2818

Rectangle

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



28.2346, 0.2171, 0.1748



28.2346, 0.3945, 0.2373



28.2346, 0.3793, 0.5353



28.2346, 0.2166, 0.4532

Sweetspot

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



28.2344, 0.2171, 0.1748



72.1820, 0.2884, 0.2903



82.8553, 0.2498, 0.3362



14.7109, 0.2846, 0.2842



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.



28.2344, 0.2171, 0.1748



20.7310, 0.1968, 0.1413



32.6986, 0.2578, 0.1850



17.4883, 0.2978, 0.3053



3.9304, 0.1506, 0.0623



0.4199, 0.1521, 0.0676

Inverse Universe

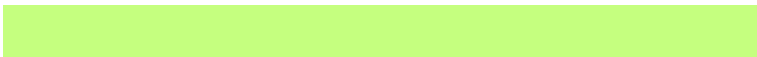
The Inverse Universe completely reimagines the original color for something new.



38.1317, 0.4510, 0.3245



31.8415, 0.4956, 0.3241



84.9861, 0.3468, 0.4697



17.9983, 0.3289, 0.3281



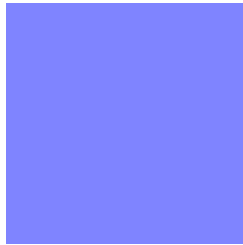
11.1247, 0.6362, 0.3279



1.0869, 0.6272, 0.3229

Previews

White Background



This preview shows how the Yxy color 28.2346, 0.2171, 0.1748 looks on a white background.

Color Contrast Check

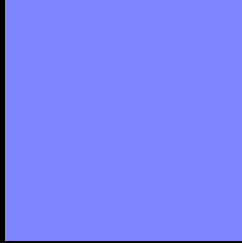
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2346, 0.2171, 0.1748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

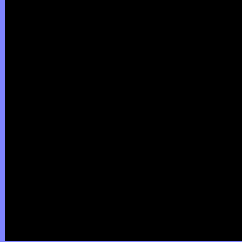
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2346, 0.2171, 0.1748

Background



This preview shows how black text looks on a background with the Yxy color 28.2346, 0.2171, 0.1748.



This preview shows how white text looks on a background with the Yxy color 28.2346, 0.2171, 0.1748.

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

28.2346, 0.2171, 0.1748

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.4268, 0.1915, 0.1847



Tritanopia

28.1517, 0.2556, 0.3084

Trichromacy



Original Color

28.2346, 0.2171, 0.1748

Protanomaly

28.3400, 0.2059, 0.1776

Deuteranomaly

27.9354, 0.1978, 0.1798

Tritanomaly

27.5792, 0.2387, 0.2472

Monochromacy



Original Color

28.2346, 0.2171, 0.1748

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.6622, 0.2699, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2346, 0.2171, 0.1748 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(127, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 132, 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(127, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.2346, 0.2171, 0.1748 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(127, 132, 255) }
```

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

```
.border{ border-color:rgb(127, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2346, 0.2171, 0.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 132, 255) }
```

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

```
.background{ background-color: rgb(127,  
132, 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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