

Converting Colors

$Y_{xy}(28.4636, 0.2201, 0.1730)$

Have a look what the booklet for
Yxy(28.4636, 0.2201, 0.1730)
contains.

Yxy(28.2536, 0.2210, 0.1741)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.2536, 0.2210, 0.1741)

Conversions

Conversions Part 1

Format	Color
Hex	8682FF
RGB	134, 130, 255
RGB Percent	53%, 51%, 100%
CMY	0.4744, 0.4902, 0.0000
CMYK	0.47, 0.49, 0.00, 0.00
HSL	242°, 100%, 75%
HSV	242°, 49%, 100%
XYZ	35.8647, 28.2536, 98.1654
YIQ	145.4460, -37.7410, 39.7230

Conversions

Conversions Part 2

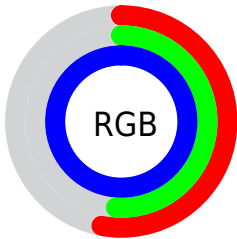
Format	Color
RYB	134, 130, 255
Decimal	8815359
CIELab	60.12, 33.22, -61.97
CIElCh	60, 70.315, 298.192
Yxy	28.2536, 0.2210, 0.1741
Android (android.graphics.Color)	4287005439 (0xFF8682FF)
YUV	145.4460, 54.0101, -10.0381
Hunter-Lab	53.1541, 27.4197, -72.2894

Details

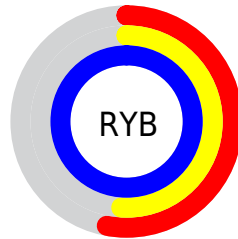
The Yxy color **28.2536, 0.2210, 0.1741** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.6328, 0.3822, 0.4497**, and the grayscale version is **28.2954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4244, 0.2699, 0.2483**, and **11.3719, 0.1947, 0.1397** is the 20% darker color. If you saturate the color by 10%, you get **20.4939, 0.2001, 0.1395**, and if you desaturate by 10%, it is **38.1688, 0.2424, 0.2098**.

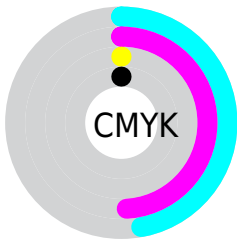
Distribution



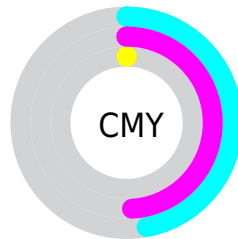
- Red (53%)
- Green (51%)
- Blue (100%)



- Red (53%)
- Yellow (51%)
- Blue (100%)



- Cyan (47%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2536, 0.2210, 0.1741 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 28.2536, 0.2210, 0.1741 by changing the saturation by 10% instead.


 28.2536, 0.2210,
0.1741

 28.2536, 0.2210,
0.1741


293.6767, 0.2690,
0.2470


 18.5169, 0.2091,
0.1580


 56.8891, 0.2385,
0.1991

 11.3217, 0.1941,
0.1388


 76.5566, 0.2451,
0.2090

 6.2837, 0.1748,
0.1157


 100.3033, 0.2507,
0.2175

 3.0183, 0.1496,
0.0881

128.5135, 0.2554,
0.2249

 1.1413, 0.1168,
0.0566

161.5715, 0.2595,
0.2315

 0.0130, 0.0771,
0.0012

199.8618, 0.2631,

 0.0000, 0.0000,

0.2372

0.0000

243.7687, 0.2662,
0.2424

■ 28.2536, 0.2210,
0.1741

■ 28.2536, 0.2210,
0.1741

■ 20.4939, 0.2001,
0.1395

■ 38.1688, 0.2424,
0.2098

■ 14.7270, 0.1813,
0.1087

■ 50.3803, 0.2630,
0.2445

■ 10.7718, 0.1663,
0.0845

■ 65.0205, 0.2821,
0.2767

■ 8.4128, 0.1561,
0.0685

■ 82.2106, 0.2991,
0.3058

■ 7.3425, 0.1510,
0.0609

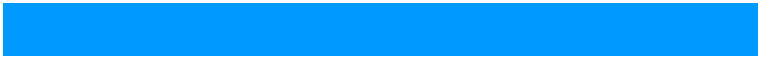
99.9996, 0.3127,
0.3290

■ 7.2725, 0.1507,
0.0604

Harmonies

Analogous

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



28.2536, 0.1586, 0.1703



28.2536, 0.2210, 0.1741



28.2536, 0.3226, 0.2055

Triad

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



28.2536, 0.2210, 0.1741



28.2536, 0.5270, 0.4022



28.2536, 0.1848, 0.4007

Complementary

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



28.2536, 0.2210, 0.1741



93.6328, 0.3822, 0.4497

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.



28.2536, 0.2705, 0.5202



28.2536, 0.2210, 0.1741



28.2536, 0.4665, 0.4810

Square

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



28.2536, 0.2210, 0.1741



28.2536, 0.5235, 0.3278



28.2536, 0.3730, 0.5405



28.2536, 0.1390, 0.2740

Rectangle

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



28.2536, 0.2210, 0.1741



28.2536, 0.4035, 0.2398



28.2536, 0.3730, 0.5405



28.2536, 0.2096, 0.4469

Sweetspot

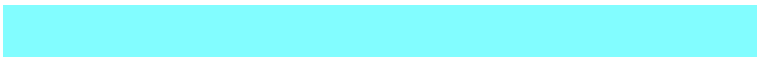
The Sweet Spot groups the original color and five complimentary colors.



28.2545, 0.2210, 0.1741



71.6192, 0.2892, 0.2888



82.1598, 0.2477, 0.3264



14.5778, 0.2855, 0.2825



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.



28.2545, 0.2210, 0.1741



20.5075, 0.2002, 0.1396



34.7310, 0.2662, 0.1909



17.4056, 0.2983, 0.3044



3.8123, 0.1510, 0.0605



0.3805, 0.1532, 0.0618

Inverse Universe

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



44.1876, 0.3218, 0.2134



38.1841, 0.3236, 0.1945



84.1285, 0.3407, 0.4690



18.2897, 0.3143, 0.3063



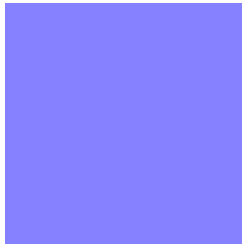
14.6159, 0.3291, 0.1587



1.4262, 0.3281, 0.1581

Previews

White Background



This preview shows how the Yxy color 28.2536, 0.2210, 0.1741 looks on a white background.

Color Contrast Check

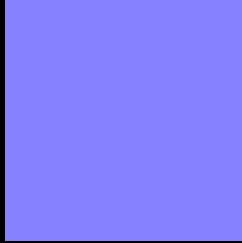
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2536, 0.2210, 0.1741 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 28.2536, 0.2210, 0.1741

Background



This preview shows how black text looks on a background with the Yxy color 28.2536, 0.2210, 0.1741.



This preview shows how white text looks on a background with the Yxy color 28.2536, 0.2210, 0.1741.

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

28.2536, 0.2210, 0.1741

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.4223, 0.1923, 0.1857



Tritanopia

28.3250, 0.2628, 0.3087

Trichromacy



Original Color

28.2536, 0.2210, 0.1741

Protanomaly

28.2371, 0.2071, 0.1769

Deuteranomaly

27.7629, 0.1994, 0.1798

Tritanomaly

27.7596, 0.2448, 0.2481

Monochromacy



Original Color

28.2536, 0.2210, 0.1741

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.9217, 0.2727, 0.2615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2536, 0.2210, 0.1741 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(134, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 130, 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(134, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.2536, 0.2210, 0.1741 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(134, 130, 255) }
```

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

```
.border{ border-color:rgb(134, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2536, 0.2210, 0.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 130, 255) }
```

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

```
.background{ background-color: rgb(134,  
130, 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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