

Converting Colors

$Y_{xy}(27.3636, 0.2274, 0.2200)$

Have a look what the booklet for
Yxy(27.3636, 0.2274, 0.2200)
contains.

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Color

Yxy(27.2588, 0.2272, 0.2194)

Conversions

Conversions Part 1

Format	Color
Hex	6D8DD8
RGB	109, 141, 216
RGB Percent	43%, 55%, 85%
CMY	0.5726, 0.4471, 0.1528
CMYK	0.50, 0.35, 0.00, 0.15
HSL	222°, 58%, 64%
HSV	222°, 50%, 85%
XYZ	28.2279, 27.2588, 68.7558
YIQ	139.9820, -43.1470, 16.5410

Conversions

Conversions Part 2

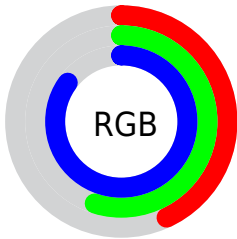
Format	Color
RYB	109, 134, 216
Decimal	7179736
CIELab	59.21, 9.40, -41.91
CIELCh	59, 42.948, 282.640
Yxy	27.2588, 0.2272, 0.2194
Android (android.graphics.Color)	4285369816 (0xFF6D8DD8)
YUV	139.9820, 37.4769, -27.1712
Hunter-Lab	52.2100, 5.1406, -41.5326

Details

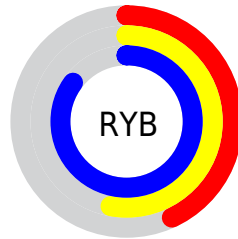
The Yxy color **27.2588, 0.2272, 0.2194** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **49.9966, 0.4026, 0.4173**, and the grayscale version is **26.0828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9106, 0.2537, 0.2577**, and **10.7335, 0.2001, 0.1870** is the 20% darker color. If you saturate the color by 10%, you get **21.8895, 0.2095, 0.1926**, and if you desaturate by 10%, it is **33.5773, 0.2455, 0.2453**.

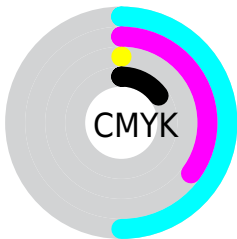
Distribution



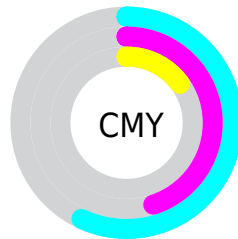
- Red (43%)
- Green (55%)
- Blue (85%)



- Red (43%)
- Yellow (53%)
- Blue (85%)



- Cyan (50%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)



- Cyan (57%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2588, 0.2272, 0.2194 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 27.2588, 0.2272, 0.2194 by changing the saturation by 10% instead.

■ 27.2588, 0.2272,
0.2194

■ 27.2588, 0.2272,
0.2194

■ 288.9080, 0.2722,
0.2753

■ 17.7677, 0.2156,
0.2055

■ 55.2989, 0.2439,
0.2398

■ 10.7833, 0.2007,
0.1880

■ 74.6166, 0.2501,
0.2474

■ 5.9213, 0.1809,
0.1652

■ 97.9787, 0.2553,
0.2539

■ 2.7973, 0.1539,
0.1352

■ 125.7695, 0.2597,
0.2594

■ 1.0268, 0.1164,
0.0955

■ 158.3735, 0.2635,
0.2642

■ 0.0000, 0.0329,
0.0000

■ 196.1749, 0.2667,

■ 0.0000, 0.0000,

0.2684

0.0000

239.5583, 0.2696,
0.2721

■ 27.2588, 0.2272,
0.2194

■ 27.2588, 0.2272,
0.2194

■ 21.8895, 0.2095,
0.1926

■ 33.5773, 0.2455,
0.2453

■ 17.4167, 0.1932,
0.1659

■ 40.8878, 0.2638,
0.2696

■ 13.7865, 0.1793,
0.1405

■ 49.2339, 0.2814,
0.2919

■ 10.9366, 0.1685,
0.1178

■ 58.6556, 0.2980,
0.3119

■ 8.7789, 0.1608,
0.0986

■ 69.1908, 0.3134,
0.3298

■ 8.6935, 0.1605,
0.0978

■ 80.8752, 0.3275,
0.3455

■ 92.7409, 0.3369,
0.3595

■ 97.7392, 0.3357,
0.3671

Harmonies

Analogous

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



27.2588, 0.1947, 0.2312



27.2588, 0.2272, 0.2194



27.2588, 0.2844, 0.2313

Triad

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



27.2588, 0.2272, 0.2194



27.2588, 0.4545, 0.3617



27.2588, 0.2607, 0.4114

Complementary

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



27.2588, 0.2272, 0.2194



49.9966, 0.4026, 0.4173

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.



27.2588, 0.3276, 0.4570



27.2588, 0.2272, 0.2194



27.2588, 0.4419, 0.4139

Square

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



27.2588, 0.2272, 0.2194



27.2588, 0.4228, 0.3089



27.2588, 0.3941, 0.4529



27.2588, 0.2112, 0.3366

Rectangle

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



27.2588, 0.2272, 0.2194



27.2588, 0.3324, 0.2505



27.2588, 0.3941, 0.4529



27.2588, 0.2819, 0.4317

Sweetspot

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



27.2598, 0.2272, 0.2194



77.5234, 0.2888, 0.3010



55.8326, 0.2646, 0.3739



15.9806, 0.2852, 0.2966



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.



27.2598, 0.2272, 0.2194



31.8614, 0.2095, 0.1926



20.6733, 0.2352, 0.1792



12.6080, 0.2982, 0.3122



5.3098, 0.1612, 0.1004



0.4639, 0.1709, 0.1353

Inverse Universe

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



27.4622, 0.4084, 0.2905



33.4589, 0.4399, 0.2846



61.7800, 0.3676, 0.4567



12.4813, 0.3245, 0.3221



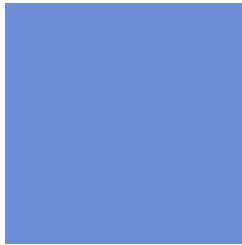
8.8809, 0.5752, 0.2942



0.5502, 0.5254, 0.2668

Previews

White Background



This preview shows how the Yxy color 27.2588, 0.2272, 0.2194 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 27.2588, 0.2272, 0.2194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

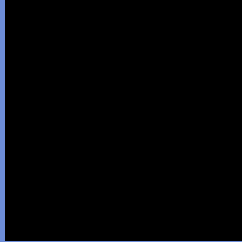
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2588, 0.2272, 0.2194

Background



This preview shows how black text looks on a background with the Yxy color 27.2588, 0.2272, 0.2194.

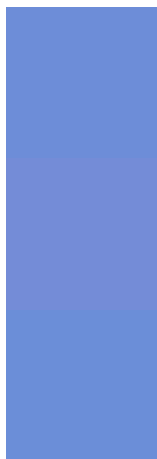


This preview shows how white text looks on a background with the Yxy color 27.2588, 0.2272, 0.2194.

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

27.2588, 0.2272, 0.2194

Protanopia

27.3755, 0.2321, 0.2203

Deuteranopia

27.4297, 0.2262, 0.2206



Tritanopia

27.4640, 0.2518, 0.3081

Trichromacy



Original Color

27.2588, 0.2272, 0.2194

Protanomaly

27.1732, 0.2301, 0.2197

Deuteranomaly

27.4920, 0.2269, 0.2208

Tritanomaly

27.2514, 0.2421, 0.2717

Monochromacy



Original Color

27.2588, 0.2272, 0.2194

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.2504, 0.2756, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2588, 0.2272, 0.2194 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(109, 141, 216)` looks like.

```
.text, #text, p{  
    color:rgb(109, 141, 216)  
}
```

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(109, 141, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 141, 216) }
```

Border

The CSS property to change the border of an element to Yxy 27.2588, 0.2272, 0.2194 is called "border". The border property can be set on classes, ids or directly on the HTML element.

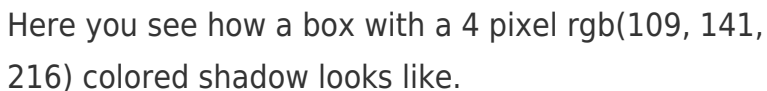
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 141, 216) }
```

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

```
.border{ border-color:rgb(109, 141, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 141, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 141, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 141, 216); box-shadow:4px 4px 4px 4px rgb(109, 141, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2588, 0.2272, 0.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 141, 216) }
```

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

```
.background{ background-color: rgb(109,  
141, 216) }
```

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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