

Converting Colors

$Y_{xy}(27.8155, 0.2233, 0.2174)$

Have a look what the booklet for
Yxy(27.8155, 0.2233, 0.2174)
contains.

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Color

Yxy(27.8155, 0.2233, 0.2174)

Conversions

Conversions Part 1

Format	Color
Hex	698FDC
RGB	105, 143, 220
RGB Percent	41%, 56%, 86%
CMY	0.5879, 0.4392, 0.1373
CMYK	0.52, 0.35, 0.00, 0.14
HSL	220°, 62%, 64%
HSV	220°, 52%, 86%
XYZ	28.5704, 27.8155, 71.5603
YIQ	140.4160, -47.3650, 15.8910

Conversions

Conversions Part 2

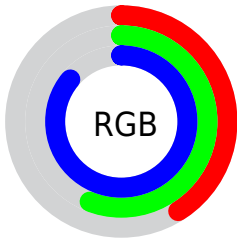
Format	Color
RYB	105, 134, 220
Decimal	6918108
CIELab	59.72, 8.55, -43.33
CIELCh	60, 44.168, 281.162
Yxy	27.8155, 0.2233, 0.2174
Android (android.graphics.Color)	4285108188 (0xFF698FDC)
YUV	140.4160, 39.2349, -31.0598
Hunter-Lab	52.7404, 4.4008, -43.5288

Details

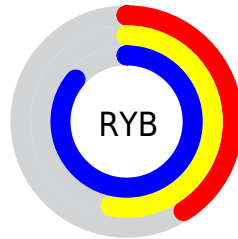
The Yxy color **27.8155, 0.2233, 0.2174** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **49.7163, 0.4104, 0.4180**, and the grayscale version is **26.2599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3812, 0.2516, 0.2597**, and **11.0445, 0.1964, 0.1861** is the 20% darker color. If you saturate the color by 10%, you get **22.5131, 0.2063, 0.1916**, and if you desaturate by 10%, it is **34.0458, 0.2412, 0.2425**.

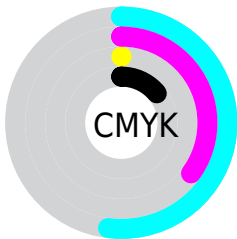
Distribution



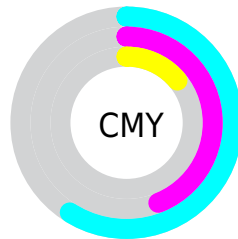
- Red (41%)
- Green (56%)
- Blue (86%)



- Red (41%)
- Yellow (53%)
- Blue (86%)



- Cyan (52%)
- Magenta (35%)
- Yellow (0%)
- Black (14%)



- Cyan (59%)
- Magenta (44%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8155, 0.2233, 0.2174 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 27.8155, 0.2233, 0.2174 by changing the saturation by 10% instead.

■ 27.8155, 0.2233,
0.2174

■ 27.8155, 0.2233,
0.2174

■ 291.5843, 0.2700,
0.2741

■ 18.1866, 0.2114,
0.2034

■ 56.1897, 0.2405,
0.2380

■ 11.0841, 0.1961,
0.1858

■ 75.7039, 0.2469,
0.2457

■ 6.1234, 0.1761,
0.1631

■ 99.2819, 0.2523,
0.2523

■ 2.9203, 0.1490,
0.1333

■ 127.3083, 0.2569,
0.2579

■ 1.0902, 0.1120,
0.0943

■ 160.1673, 0.2609,
0.2628

■ 0.0000, 0.0364,
0.0000

■ 198.2433, 0.2643,

■ 0.0000, 0.0000,

0.2670

0.0000

241.9209, 0.2673,
0.2708

■ 27.8155, 0.2233,
0.2174

■ 27.8155, 0.2233,
0.2174

■ 22.5131, 0.2063,
0.1916

■ 34.0458, 0.2412,
0.2425

■ 18.0860, 0.1909,
0.1659

■ 41.2467, 0.2592,
0.2662

■ 14.4802, 0.1780,
0.1417

■ 49.4613, 0.2768,
0.2880


■ 11.6324, 0.1682,
0.1199

■ 58.7292, 0.2936,
0.3077

■ 9.8779, 0.1626,
0.1051

■ 69.0878, 0.3094,
0.3253

 80.5724, 0.3239,
0.3409

 92.4386, 0.3345,
0.3548

 97.9464, 0.3334,
0.3631

Harmonies

Analogous

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



27.8155, 0.1917, 0.2306



27.8155, 0.2233, 0.2174



27.8155, 0.2804, 0.2284

Triad

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



27.8155, 0.2233, 0.2174



27.8155, 0.4569, 0.3593



27.8155, 0.2626, 0.4167

Complementary

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



27.8155, 0.2233, 0.2174



49.7163, 0.4104, 0.4180

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.



27.8155, 0.3312, 0.4610



27.8155, 0.2233, 0.2174



27.8155, 0.4460, 0.4128

Square

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



27.8155, 0.2233, 0.2174



27.8155, 0.4225, 0.3058



27.8155, 0.3985, 0.4540



27.8155, 0.2111, 0.3405

Rectangle

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



27.8155, 0.2233, 0.2174



27.8155, 0.3289, 0.2473



27.8155, 0.3985, 0.4540



27.8155, 0.2844, 0.4369

Sweetspot

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



27.8165, 0.2233, 0.2174



76.8481, 0.2872, 0.3003



57.5489, 0.2647, 0.3825



15.8729, 0.2837, 0.2962



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.



27.8165, 0.2233, 0.2174



30.5985, 0.2042, 0.1882



19.5863, 0.2269, 0.1689



13.3156, 0.2981, 0.3129



5.9807, 0.1633, 0.1079



0.5423, 0.1725, 0.1408

Inverse Universe

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



27.3139, 0.4117, 0.2845



31.4458, 0.4468, 0.2779



64.5925, 0.3731, 0.4618



13.1220, 0.3240, 0.3213



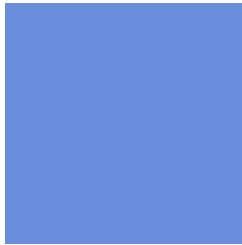
9.2275, 0.5642, 0.2882



0.6134, 0.5180, 0.2627

Previews

White Background



This preview shows how the Yxy color 27.8155, 0.2233, 0.2174 looks on a white background.

Color Contrast Check

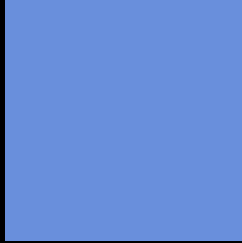
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8155, 0.2233, 0.2174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

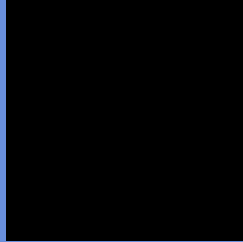
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

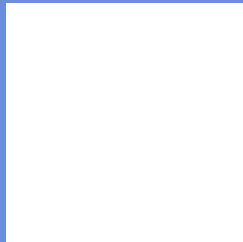
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8155, 0.2233, 0.2174

Background



This preview shows how black text looks on a background with the Yxy color 27.8155, 0.2233, 0.2174.

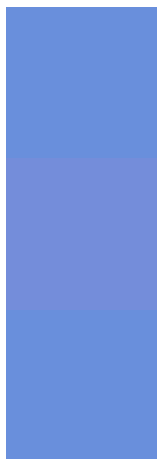


This preview shows how white text looks on a background with the Yxy color 27.8155, 0.2233, 0.2174.

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

27.8155, 0.2233, 0.2174

Protanopia

27.8247, 0.2307, 0.2185

Deuteranopia

27.8155, 0.2233, 0.2174



Tritanopia

27.8906, 0.2471, 0.3080

Trichromacy



Original Color

27.8155, 0.2233, 0.2174

Protanomaly

27.9052, 0.2278, 0.2182

Deuteranomaly

27.8155, 0.2233, 0.2174

Tritanomaly

27.7375, 0.2376, 0.2702

Monochromacy



Original Color

27.8155, 0.2233, 0.2174

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.4264, 0.2731, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8155, 0.2233, 0.2174 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(105, 143, 220)` looks like.

```
.text, #text, p{  
    color:rgb(105, 143, 220)  
}
```

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(105, 143, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 143, 220) }
```

Border

The CSS property to change the border of an element to Yxy 27.8155, 0.2233, 0.2174 is called "border". The border property can be set on classes, ids or directly on the HTML element.

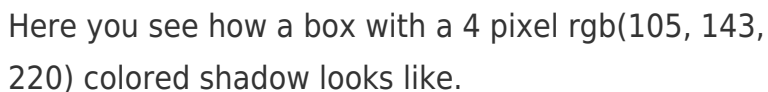
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 143, 220) }
```

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

```
.border{ border-color:rgb(105, 143, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 143, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 143, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 143, 220);  
box-shadow:4px 4px 4px 4px rgb(105, 143,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8155, 0.2233, 0.2174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 143, 220) }
```

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

```
.background{ background-color: rgb(105,  
143, 220) }
```

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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