

Converting Colors

$Y_{xy}(28.0307, 0.2223, 0.2071)$

Have a look what the booklet for
Yxy(28.0307, 0.2223, 0.2071)
contains.

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Color

Yxy(28.0307, 0.2223, 0.2071)

Conversions

Conversions Part 1

Format	Color
Hex	6F8DE4
RGB	111, 141, 228
RGB Percent	44%, 55%, 89%
CMY	0.5646, 0.4471, 0.1058
CMYK	0.51, 0.38, 0.00, 0.11
HSL	225°, 68%, 66%
HSV	225°, 51%, 89%
XYZ	30.0880, 28.0307, 77.2299
YIQ	141.9480, -45.8070, 20.6970

Conversions

Conversions Part 2

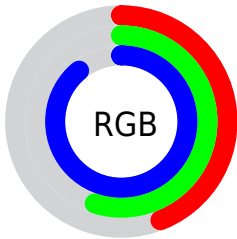
Format	Color
R _Y B	111, 135, 228
Decimal	7310820
CIE Lab	59.92, 13.54, -47.47
CIE LCh	60, 49.366, 285.918
Yxy	28.0307, 0.2223, 0.2071
Android (android.graphics.Color)	4285500900 (0xFF6F8DE4)
YUV	141.9480, 42.4236, -27.1414
Hunter-Lab	52.9440, 8.7892, -49.4260

Details

The Yxy color **28.0307, 0.2223, 0.2071** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.0569, 0.4035, 0.4254**, and the grayscale version is **26.8747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2386, 0.2555, 0.2580**, and **11.1388, 0.1949, 0.1736** is the 20% darker color. If you saturate the color by 10%, you get **22.1114, 0.2042, 0.1787**, and if you desaturate by 10%, it is **35.0954, 0.2412, 0.2349**.

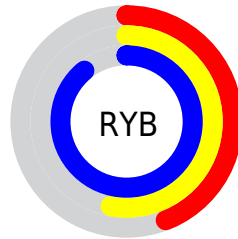
Distribution



Red (44%)

Green (55%)

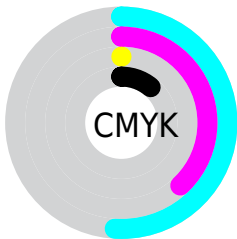
Blue (89%)



Red (44%)

Yellow (53%)

Blue (89%)

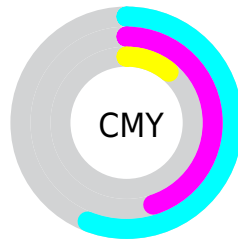


Cyan (51%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (56%)

Magenta (45%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0307, 0.2223, 0.2071 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 28.0307, 0.2223, 0.2071 by changing the saturation by 10% instead.

■ 28.0307, 0.2223,
0.2071

■ 28.0307, 0.2223,
0.2071

■ 292.6136, 0.2695,
0.2680

■ 18.3488, 0.2104,
0.1925

■ 56.5335, 0.2397,
0.2289

■ 11.2007, 0.1951,
0.1742

■ 76.1231, 0.2461,
0.2372

■ 6.2020, 0.1752,
0.1511

■ 99.7841, 0.2516,
0.2443

■ 2.9683, 0.1486,
0.1216

■ 127.9009, 0.2562,
0.2504

■ 1.1152, 0.1127,
0.0841

■ 160.8578, 0.2602,
0.2557

■ 0.0000, 0.0532,
0.0000

■ 199.0393, 0.2637,

■ 0.0000, 0.0000,

0.2603

0.0000

242.8298, 0.2668,
0.2644

■ 28.0307, 0.2223,
0.2071

■ 28.0307, 0.2223,
0.2071

■ 22.1114, 0.2042,
0.1787

■ 35.0954, 0.2412,
0.2349

■ 17.2706, 0.1878,
0.1510

■ 43.3614, 0.2599,
0.2612

■ 13.4382, 0.1741,
0.1255


■ 52.8843, 0.2780,
0.2854

■ 10.5333, 0.1639,
0.1035

■ 63.7149, 0.2951,
0.3072

■ 8.6677, 0.1578,
0.0880

■ 75.9016, 0.3108,
0.3266

 89.4899, 0.3251,
0.3437

 98.3820, 0.3286,
0.3552

Harmonies

Analogous

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



28.0307, 0.1837, 0.2163



28.0307, 0.2223, 0.2071



28.0307, 0.2886, 0.2230

Triad

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



28.0307, 0.2223, 0.2071



28.0307, 0.4742, 0.3698



28.0307, 0.2457, 0.4154

Complementary

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



28.0307, 0.2223, 0.2071



58.0569, 0.4035, 0.4254

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.



28.0307, 0.3192, 0.4738



28.0307, 0.2223, 0.2071



28.0307, 0.4532, 0.4279

Square

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



28.0307, 0.2223, 0.2071



28.0307, 0.4443, 0.3114



28.0307, 0.3951, 0.4719



28.0307, 0.1943, 0.3271

Rectangle

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



28.0307, 0.2223, 0.2071



28.0307, 0.3437, 0.2455



28.0307, 0.3951, 0.4719



28.0307, 0.2686, 0.4407

Sweetspot

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



28.0317, 0.2223, 0.2071



76.6233, 0.2887, 0.2992



62.8969, 0.2613, 0.3705



15.7658, 0.2851, 0.2946



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.



28.0317, 0.2223, 0.2071



27.7578, 0.2023, 0.1757



22.4106, 0.2347, 0.1740



14.4841, 0.2981, 0.3110



5.1661, 0.1585, 0.0904



0.5284, 0.1662, 0.1183

Inverse Universe

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



29.7955, 0.4207, 0.2950



31.6082, 0.4594, 0.2902



69.0189, 0.3663, 0.4628



14.4283, 0.3252, 0.3230



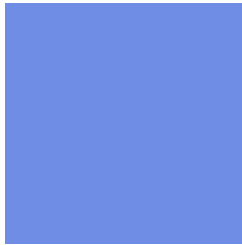
9.7192, 0.5905, 0.3027



0.7330, 0.5490, 0.2798

Previews

White Background



This preview shows how the Yxy color 28.0307, 0.2223, 0.2071 looks on a white background.

Color Contrast Check

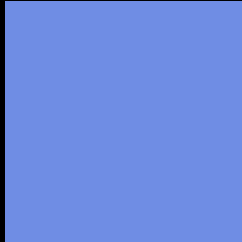
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0307, 0.2223, 0.2071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

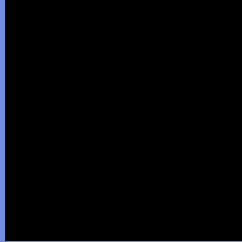
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0307, 0.2223, 0.2071

Background



This preview shows how black text looks on a background with the Yxy color 28.0307, 0.2223, 0.2071.



This preview shows how white text looks on a background with the Yxy color 28.0307, 0.2223, 0.2071.

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

28.0307, 0.2223, 0.2071

Protanopia

28.0307, 0.2223, 0.2071

Deuteranopia

28.0892, 0.2162, 0.2103



Tritanopia

28.0885, 0.2496, 0.3082

Trichromacy



Original Color

28.0307, 0.2223, 0.2071

Protanomaly

28.0307, 0.2223, 0.2071

Deuteranomaly

28.0745, 0.2187, 0.2097

Tritanomaly

27.7657, 0.2380, 0.2646

Monochromacy



Original Color

28.0307, 0.2223, 0.2071

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.1884, 0.2736, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0307, 0.2223, 0.2071 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(111, 141, 228)` looks like.

```
.text, #text, p{  
    color:rgb(111, 141, 228)  
}
```

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(111, 141, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 141, 228) }
```

Border

The CSS property to change the border of an element to Yxy 28.0307, 0.2223, 0.2071 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(111, 141, 228) }
```

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

```
.border{ border-color:rgb(111, 141, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 141, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 141, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 141, 228); box-shadow:4px 4px 4px 4px rgb(111, 141, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0307, 0.2223, 0.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 141, 228) }
```

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

```
.background{ background-color: rgb(111,  
141, 228) }
```

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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