

Converting Colors

$Y_{xy}(28.4116, 0.2228, 0.2192)$

Have a look what the booklet for
Yxy(28.4116, 0.2228, 0.2192)
contains.

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Color

Yxy(28.4143, 0.2228, 0.2191)

Conversions

Conversions Part 1

Format	Color
Hex	6891DD
RGB	104, 145, 221
RGB Percent	41%, 57%, 87%
CMY	0.5918, 0.4314, 0.1333
CMYK	0.53, 0.34, 0.00, 0.13
HSL	219°, 63%, 64%
HSV	219°, 53%, 87%
XYZ	28.8941, 28.4143, 72.3780
YIQ	141.4050, -48.8320, 14.9440

Conversions

Conversions Part 2

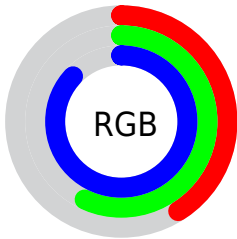
Format	Color
RYB	104, 134, 221
Decimal	6853085
CIELab	60.26, 7.48, -43.06
CIELCh	60, 43.708, 279.860
Yxy	28.4143, 0.2228, 0.2191
Android (android.graphics.Color)	4285043165 (0xFF6891DD)
YUV	141.4050, 39.2403, -32.8042
Hunter-Lab	53.3051, 3.4725, -43.1908

Details

The Yxy color **28.4143, 0.2228, 0.2191** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **49.0670, 0.4133, 0.4167**, and the grayscale version is **26.6679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6439, 0.2516, 0.2633**, and **11.3933, 0.1960, 0.1886** is the 20% darker color. If you saturate the color by 10%, you get **23.1430, 0.2061, 0.1939**, and if you desaturate by 10%, it is **34.5898, 0.2404, 0.2435**.

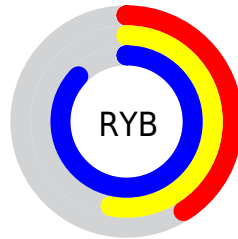
Distribution



Red (41%)

Green (57%)

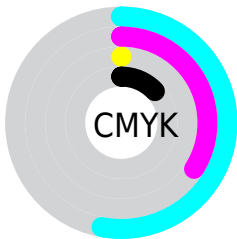
Blue (87%)



Red (41%)

Yellow (53%)

Blue (87%)

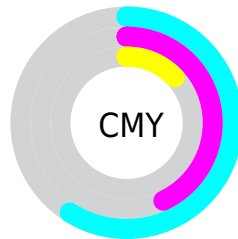


Cyan (53%)

Magenta (34%)

Yellow (0%)

Black (13%)



Cyan (59%)

Magenta (43%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4143, 0.2228, 0.2191 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 28.4143, 0.2228, 0.2191 by changing the saturation by 10% instead.

■ 28.4143, 0.2228,
0.2191

■ 28.4143, 0.2228,
0.2191

■ 294.4413, 0.2696,
0.2749

■ 18.6382, 0.2109,
0.2054

■ 57.1452, 0.2400,
0.2393

■ 11.4091, 0.1958,
0.1880

■ 76.8688, 0.2464,
0.2470

■ 6.3427, 0.1758,
0.1656

■ 100.6770, 0.2518,
0.2534

■ 3.0546, 0.1490,
0.1363

■ 128.9543, 0.2564,
0.2590

■ 1.1603, 0.1125,
0.0977

■ 162.0849, 0.2604,
0.2638

■ 0.0289, 0.0410,
0.0056

■ 200.4534, 0.2639,

■ 0.0000, 0.0000,

0.2680

0.0000

244.4441, 0.2669,
0.2716

■ 28.4143, 0.2228,
0.2191

■ 28.4143, 0.2228,
0.2191

■ 23.1430, 0.2061,
0.1939

■ 34.5898, 0.2404,
0.2435

■ 18.7246, 0.1911,
0.1690

■ 41.7109, 0.2582,
0.2666

■ 15.1061, 0.1786,
0.1452

■ 49.8195, 0.2757,
0.2879

■ 12.2258, 0.1691,
0.1237

■ 58.9542, 0.2925,
0.3072

■ 10.5709, 0.1640,
0.1102

■ 69.1512, 0.3083,
0.3244

■ 80.4448, 0.3230,
0.3396

■ 92.1402, 0.3340,
0.3532

■ 98.0012, 0.3327,
0.3621

Harmonies

Analogous

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



28.4143, 0.1927, 0.2334



28.4143, 0.2228, 0.2191



28.4143, 0.2781, 0.2289

Triad

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



28.4143, 0.2228, 0.2191



28.4143, 0.4539, 0.3568



28.4143, 0.2662, 0.4178

Complementary

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



28.4143, 0.2228, 0.2191



49.0670, 0.4133, 0.4167

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.



28.4143, 0.3341, 0.4592



28.4143, 0.2228, 0.2191



28.4143, 0.4452, 0.4096

Square

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



28.4143, 0.2228, 0.2191



28.4143, 0.4182, 0.3041



28.4143, 0.3999, 0.4508



28.4143, 0.2144, 0.3437

Rectangle

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



28.4143, 0.2228, 0.2191



28.4143, 0.3255, 0.2471



28.4143, 0.3999, 0.4508



28.4143, 0.2879, 0.4370

Sweetspot

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



28.4153, 0.2228, 0.2191



77.2918, 0.2872, 0.3012



57.9681, 0.2653, 0.3862



15.9779, 0.2837, 0.2972



0.0000, 0.0000, 0.0000



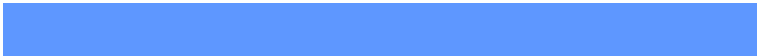
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.4153, 0.2228, 0.2191



31.6026, 0.2052, 0.1924



19.2503, 0.2240, 0.1660



13.3584, 0.2981, 0.3134



6.3324, 0.1647, 0.1130



0.5686, 0.1739, 0.1460

Inverse Universe

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



27.3368, 0.4105, 0.2813



31.5471, 0.4425, 0.2747



65.4854, 0.3752, 0.4626



13.1264, 0.3237, 0.3209



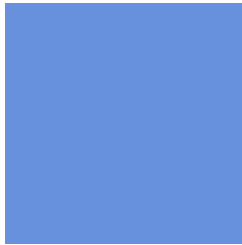
9.2630, 0.5567, 0.2840



0.6161, 0.5111, 0.2589

Previews

White Background



This preview shows how the Yxy color 28.4143, 0.2228, 0.2191 looks on a white background.

Color Contrast Check

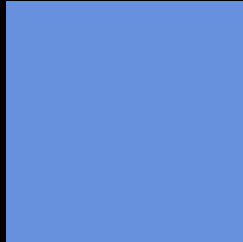
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4143, 0.2228, 0.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

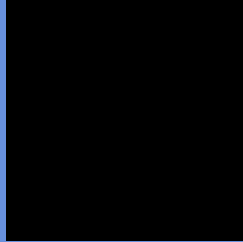
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

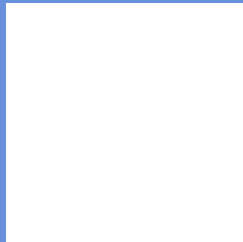
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4143, 0.2228, 0.2191

Background



This preview shows how black text looks on a background with the Yxy color 28.4143, 0.2228, 0.2191.



This preview shows how white text looks on a background with the Yxy color 28.4143, 0.2228, 0.2191.

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

28.4143, 0.2228, 0.2191

Protanopia

28.3120, 0.2318, 0.2192

Deuteranopia

28.2928, 0.2242, 0.2181



Tritanopia

28.5825, 0.2458, 0.3082

Trichromacy



Original Color

28.4143, 0.2228, 0.2191

Protanomaly

28.3229, 0.2282, 0.2187

Deuteranomaly

28.2311, 0.2236, 0.2180

Tritanomaly

28.3715, 0.2370, 0.2721

Monochromacy



Original Color

28.4143, 0.2228, 0.2191

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.8375, 0.2733, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4143, 0.2228, 0.2191 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(104, 145, 221)` looks like.

```
.text, #text, p{  
    color:rgb(104, 145, 221)  
}
```

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(104, 145, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 145, 221) }
```

Border

The CSS property to change the border of an element to Yxy 28.4143, 0.2228, 0.2191 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(104, 145, 221) }
```

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

```
.border{ border-color:rgb(104, 145, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 145, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 145, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 145, 221);  
box-shadow:4px 4px 4px 4px rgb(104, 145,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4143, 0.2228, 0.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 145, 221) }
```

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

```
.background{ background-color: rgb(104,  
145, 221) }
```

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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