

Converting Colors

$Y_{xy}(28.4689, 0.2247, 0.2107)$

Have a look what the booklet for
Yxy(28.4689, 0.2247, 0.2107)
contains.

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Color

Yxy(28.4028, 0.2243, 0.2099)

Conversions

Conversions Part 1

Format	Color
Hex	718EE3
RGB	113, 142, 227
RGB Percent	44%, 56%, 89%
CMY	0.5568, 0.4432, 0.1098
CMYK	0.50, 0.37, 0.00, 0.11
HSL	225°, 67%, 67%
HSV	225°, 50%, 89%
XYZ	30.3513, 28.4028, 76.5617
YIQ	143.0190, -44.5690, 20.2870

Conversions

Conversions Part 2

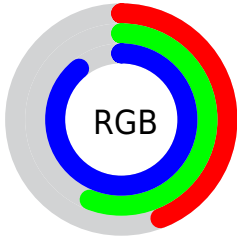
Format	Color
RYB	113, 136, 227
Decimal	7442147
CIELab	60.25, 13.09, -46.38
CIELCh	60, 48.192, 285.759
Yxy	28.4028, 0.2243, 0.2099
Android (android.graphics.Color)	4285632227 (0xFF718EE3)
YUV	143.0190, 41.4026, -26.3267
Hunter-Lab	53.2943, 8.3916, -47.8691

Details

The Yxy color **28.4028, 0.2243, 0.2099** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.9328, 0.4013, 0.4237**, and the grayscale version is **27.3239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7963, 0.2563, 0.2594**, and **11.3515, 0.1974, 0.1772** is the 20% darker color. If you saturate the color by 10%, you get **22.4200, 0.2061, 0.1815**, and if you desaturate by 10%, it is **35.5294, 0.2432, 0.2376**.

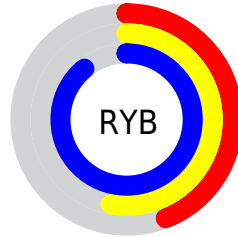
Distribution



Red (44%)

Green (56%)

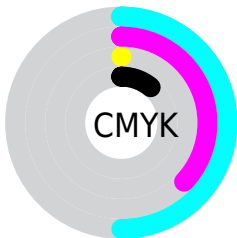
Blue (89%)



Red (44%)

Yellow (53%)

Blue (89%)

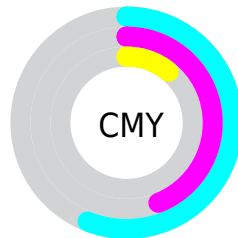


Cyan (50%)

Magenta (37%)

Yellow (0%)

Black (11%)



Cyan (56%)


Magenta (44%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4028, 0.2243, 0.2099 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 28.4028, 0.2243, 0.2099 by changing the saturation by 10% instead.


 28.4028, 0.2243,
0.2099


 28.4028, 0.2243,
0.2099


294.3867, 0.2704,
0.2695


 18.6295, 0.2126,
0.1955


 57.1269, 0.2413,
0.2313

 11.4029, 0.1977,
0.1776


 76.8465, 0.2476,
0.2394

 6.3385, 0.1781,
0.1548


 100.6503, 0.2529,
0.2463

 3.0520, 0.1519,
0.1255

128.9228, 0.2575,
0.2522

 1.1589, 0.1162,
0.0880

162.0482, 0.2614,
0.2574

 0.0278, 0.0579,
0.0046

200.4111, 0.2648,

 0.0000, 0.0000,

0.2619

0.0000

244.3958, 0.2678,
0.2659

■ 28.4028, 0.2243,
0.2099

■ 28.4028, 0.2243,
0.2099

■ 22.4200, 0.2061,
0.1815

■ 35.5294, 0.2432,
0.2376

■ 17.5151, 0.1894,
0.1536

■ 43.8547, 0.2619,
0.2638

■ 13.6192, 0.1754,
0.1277


■ 53.4336, 0.2800,
0.2878

■ 10.6532, 0.1647,
0.1053

■ 64.3164, 0.2968,
0.3094

■ 8.5417, 0.1577,
0.0877

■ 76.5508, 0.3124,
0.3286

 90.1817, 0.3266,
0.3455

 98.3266, 0.3292,
0.3562

Harmonies

Analogous

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



28.4028, 0.1866, 0.2192



28.4028, 0.2243, 0.2099



28.4028, 0.2890, 0.2253

Triad

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



28.4028, 0.2243, 0.2099



28.4028, 0.4698, 0.3691



28.4028, 0.2480, 0.4132

Complementary

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



28.4028, 0.2243, 0.2099



57.9328, 0.4013, 0.4237

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.



28.4028, 0.3198, 0.4694



28.4028, 0.2243, 0.2099



28.4028, 0.4500, 0.4257

Square

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



28.4028, 0.2243, 0.2099



28.4028, 0.4403, 0.3118



28.4028, 0.3938, 0.4680



28.4028, 0.1975, 0.3279

Rectangle

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



28.4028, 0.2243, 0.2099



28.4028, 0.3425, 0.2473



28.4028, 0.3938, 0.4680



28.4028, 0.2704, 0.4376

Sweetspot

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



28.4038, 0.2243, 0.2099



76.5825, 0.2887, 0.2992



62.4694, 0.2621, 0.3694



15.7560, 0.2851, 0.2945



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.



28.4038, 0.2243, 0.2099



29.0601, 0.2057, 0.1810



22.9060, 0.2368, 0.1777



14.4794, 0.2980, 0.3109



5.1391, 0.1584, 0.0900



0.5259, 0.1661, 0.1179

Inverse Universe

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



30.1019, 0.4175, 0.2959



32.6824, 0.4524, 0.2911



68.4725, 0.3654, 0.4600



14.4278, 0.3253, 0.3230



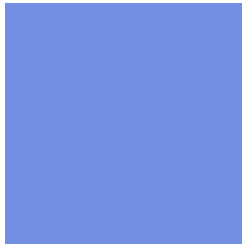
9.7165, 0.5911, 0.3030



0.7328, 0.5497, 0.2802

Previews

White Background



This preview shows how the Yxy color 28.4028, 0.2243, 0.2099 looks on a white background.

Color Contrast Check

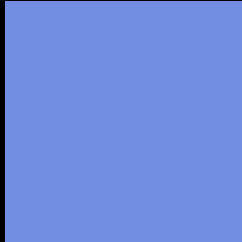
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4028, 0.2243, 0.2099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

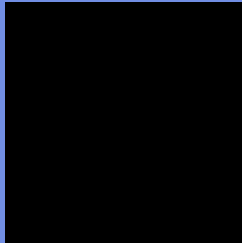
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

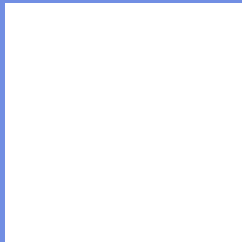
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4028, 0.2243, 0.2099

Background



This preview shows how black text looks on a background with the Yxy color 28.4028, 0.2243, 0.2099.



This preview shows how white text looks on a background with the Yxy color 28.4028, 0.2243, 0.2099.

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

28.4028, 0.2243, 0.2099

Protanopia

28.4028, 0.2243, 0.2099

Deuteranopia

28.5085, 0.2186, 0.2133



Tritanopia

28.2809, 0.2510, 0.3066

Trichromacy



Original Color

28.4028, 0.2243, 0.2099

Protanomaly

28.4028, 0.2243, 0.2099

Deuteranomaly

28.4408, 0.2206, 0.2125

Tritanomaly

28.2535, 0.2402, 0.2666

Monochromacy



Original Color

28.4028, 0.2243, 0.2099

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.6064, 0.2738, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4028, 0.2243, 0.2099 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(113, 142, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 142, 227)  
}
```

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(113, 142, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 142, 227) }
```

Border

The CSS property to change the border of an element to Yxy 28.4028, 0.2243, 0.2099 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(113, 142, 227) }
```

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

```
.border{ border-color:rgb(113, 142, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 142, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 142, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 142, 227);  
box-shadow:4px 4px 4px 4px rgb(113, 142,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4028, 0.2243, 0.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 142, 227) }
```

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

```
.background{ background-color: rgb(113,  
142, 227) }
```

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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