

Converting Colors

$Y_{xy}(28.8435, 0.2150, 0.2219)$

Have a look what the booklet for
Yxy(28.8435, 0.2150, 0.2219)
contains.

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Color

Yxy(28.8435, 0.2150, 0.2219)

Conversions

Conversions Part 1

Format	Color
Hex	5895DE
RGB	88, 149, 222
RGB Percent	35%, 58%, 87%
CMY	0.6554, 0.4156, 0.1295
CMYK	0.60, 0.33, 0.00, 0.13
HSL	213°, 67%, 61%
HSV	213°, 60%, 87%
XYZ	27.9466, 28.8435, 73.1941
YIQ	139.0830, -59.7890, 9.7710

Conversions

Conversions Part 2

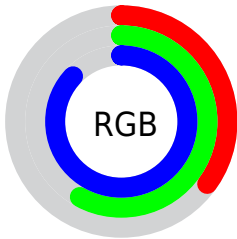
Format	Color
R _Y B	88, 130, 222
Decimal	5805534
CIE Lab	60.64, 2.12, -43.06
CIE LCh	61, 43.109, 272.822
Yxy	28.8435, 0.2150, 0.2219
Android (android.graphics.Color)	4283995614 (0xFF5895DE)
YUV	139.0830, 40.8781, -44.7998
Hunter-Lab	53.7061, -1.1012, -43.2098

Details

The Yxy color **28.8435, 0.2150, 0.2219** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **41.6664, 0.4408, 0.4119**, and the grayscale version is **25.6996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2278, 0.2451, 0.2670**, and **11.6769, 0.1867, 0.1922** is the 20% darker color. If you saturate the color by 10%, you get **24.2964, 0.2010, 0.2005**, and if you desaturate by 10%, it is **34.1186, 0.2305, 0.2429**.

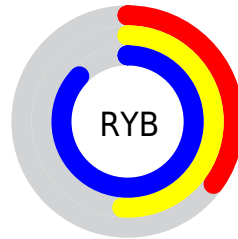
Distribution



Red (35%)

Green (58%)

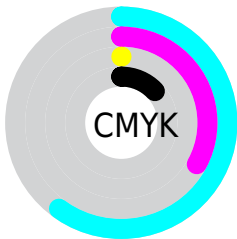
Blue (87%)



Red (35%)

Yellow (51%)

Blue (87%)

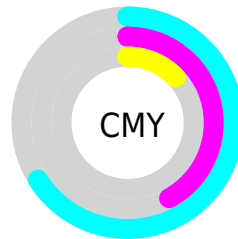


Cyan (60%)

Magenta (33%)

Yellow (0%)

Black (13%)



Cyan (66%)

Magenta (42%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8435, 0.2150, 0.2219 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 28.8435, 0.2150, 0.2219 by changing the saturation by 10% instead.

■ 28.8435, 0.2150,
0.2219

■ 28.8435, 0.2150,
0.2219

■ 296.4758, 0.2653,
0.2767

■ 18.9625, 0.2024,
0.2083

■ 57.8283, 0.2334,
0.2418

■ 11.6432, 0.1864,
0.1911

■ 77.7009, 0.2403,
0.2493

■ 6.5012, 0.1656,
0.1689

■ 101.6728, 0.2461,
0.2557

■ 3.1522, 0.1381,
0.1395

■ 130.1285, 0.2511,
0.2611

■ 1.2117, 0.1012,
0.1008

■ 163.4522, 0.2554,
0.2658

■ 0.0712, 0.0229,
0.0136

■ 202.0284, 0.2591,

■ 0.0000, 0.0000,

0.2699

0.0000

246.2415, 0.2624,
0.2735

■ 28.8435, 0.2150,
0.2219

■ 28.8435, 0.2150,
0.2219

■ 24.2964, 0.2010,
0.2005

■ 34.1186, 0.2305,
0.2429

■ 20.4311, 0.1890,
0.1794

■ 40.1572, 0.2470,
0.2629


■ 17.1993, 0.1795,
0.1593


■ 46.9959, 0.2637,
0.2817

■ 14.6217, 0.1726,
0.1413

■ 54.6673, 0.2804,
0.2989

■ 63.2022, 0.2966,
0.3145

 72.6297, 0.3121,
0.3285

 82.9771, 0.3267,
0.3409

 92.2304, 0.3333,
0.3523

 98.0534, 0.3322,
0.3611

Harmonies

Analogous

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



28.8435, 0.1914, 0.2422



28.8435, 0.2150, 0.2219



28.8435, 0.2640, 0.2263

Triad

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



28.8435, 0.2150, 0.2219



28.8435, 0.4469, 0.3441



28.8435, 0.2820, 0.4297

Complementary

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



28.8435, 0.2150, 0.2219



41.6664, 0.4408, 0.4119

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.



28.8435, 0.3500, 0.4589



28.8435, 0.2150, 0.2219



28.8435, 0.4487, 0.3968

Square

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



28.8435, 0.2150, 0.2219



28.8435, 0.4026, 0.2933



28.8435, 0.4114, 0.4413



28.8435, 0.2259, 0.3614

Rectangle

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



28.8435, 0.2150, 0.2219



28.8435, 0.3084, 0.2411



28.8435, 0.4114, 0.4413



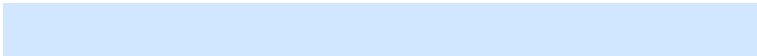
28.8435, 0.3043, 0.4450

Sweetspot

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



28.8445, 0.2150, 0.2219



77.3985, 0.2841, 0.3026



56.8234, 0.2693, 0.4200



15.8645, 0.2793, 0.2978



0.0000, 0.0000, 0.0000



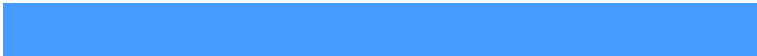
21.4041, 0.3127, 0.3290

Same Dimension

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



28.8445, 0.2150, 0.2219



32.0533, 0.1982, 0.1960



14.5263, 0.1984, 0.1365



14.2676, 0.2981, 0.3159



8.9022, 0.1733, 0.1440



0.7944, 0.1815, 0.1734

Inverse Universe

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



24.6583, 0.4115, 0.2600



28.1877, 0.4433, 0.2527



67.7714, 0.3941, 0.4716



13.8040, 0.3221, 0.3184



9.8067, 0.5138, 0.2604



0.6976, 0.4765, 0.2398

Previews

White Background



This preview shows how the Yxy color 28.8435, 0.2150, 0.2219 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 28.8435, 0.2150, 0.2219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

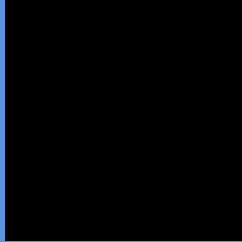
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

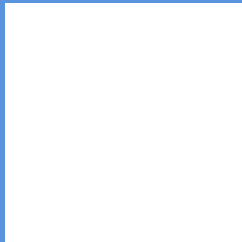
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8435, 0.2150, 0.2219

Background



This preview shows how black text looks on a background with the Yxy color 28.8435, 0.2150, 0.2219.

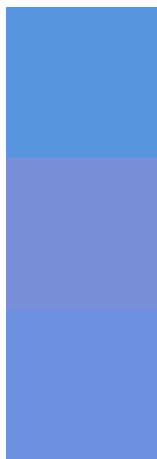


This preview shows how white text looks on a background with the Yxy color 28.8435, 0.2150, 0.2219.

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

28.8435, 0.2150, 0.2219

Protanopia

28.6477, 0.2345, 0.2232

Deuteranopia

28.7043, 0.2235, 0.2174



Tritanopia

28.8986, 0.2334, 0.3062

Trichromacy



Original Color

28.8435, 0.2150, 0.2219

Protanomaly

28.5534, 0.2262, 0.2220

Deuteranomaly

28.5948, 0.2198, 0.2179

Tritanomaly

28.5769, 0.2256, 0.2713

Monochromacy



Original Color

28.8435, 0.2150, 0.2219

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.5026, 0.2671, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8435, 0.2150, 0.2219 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(88, 149, 222)` looks like.

```
.text, #text, p{  
    color:rgb(88, 149, 222)  
}
```

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(88, 149, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 149, 222) }
```

Border

The CSS property to change the border of an element to Yxy 28.8435, 0.2150, 0.2219 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(88, 149, 222) }
```

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

```
.border{ border-color:rgb(88, 149, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 149, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 149, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 149, 222);  
box-shadow:4px 4px 4px 4px rgb(88, 149,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8435, 0.2150, 0.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 149, 222) }
```

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

```
.background{ background-color: rgb(88, 149,  
222) }
```

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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