

Converting Colors

$Y_{xy}(22.7846, 0.2577, 0.2705)$

Have a look what the booklet for
Yxy(22.7846, 0.2577, 0.2705)
contains.

Yxy(22.8801, 0.2579, 0.2708)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(22.8801, 0.2579, 0.2708)$

Conversions

Conversions Part 1

Format	Color
Hex	6E85A7
RGB	110, 133, 167
RGB Percent	43%, 52%, 65%
CMY	0.5687, 0.4784, 0.3451
CMYK	0.34, 0.20, 0.00, 0.35
HSL	216°, 24%, 54%
HSV	216°, 34%, 65%
XYZ	21.7902, 22.8801, 39.8205
YIQ	129.9990, -24.6220, 5.6980

Conversions

Conversions Part 2

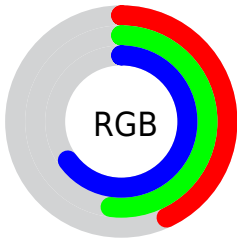
Format	Color
R_{YB}	110, 126, 167
Decimal	7243175
CIE Lab	54.95, 0.20, -20.70
CIE LCh	55, 20.701, 270.562
Yxy	22.8801, 0.2579, 0.2708
Android (android.graphics.Color)	4285433255 (0xFF6E85A7)
YUV	129.9990, 18.2415, -17.5391
Hunter-Lab	47.8331, -2.3932, -15.8750

Details

The Yxy color **22.8801, 0.2579, 0.2708** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.2742, 0.3735, 0.3808**, and the grayscale version is **22.2629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1783, 0.2697, 0.2834**, and **8.5391, 0.2383, 0.2504** is the 20% darker color. If you saturate the color by 10%, you get **19.3113, 0.2410, 0.2501**, and if you desaturate by 10%, it is **26.9108, 0.2747, 0.2900**.

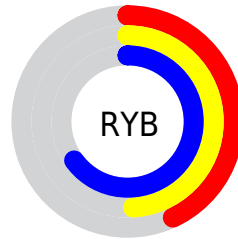
Distribution



Red (43%)

Green (52%)

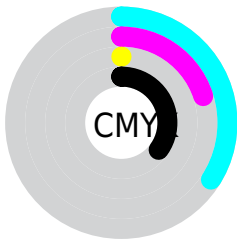
Blue (65%)



Red (43%)

Yellow (49%)

Blue (65%)

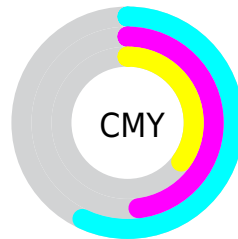


Cyan (34%)

Magenta (20%)

Yellow (0%)

Black (35%)



Cyan (57%)

Magenta (48%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8801, 0.2579, 0.2708 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 22.8801, 0.2579, 0.2708 by changing the saturation by 10% instead.

■ 22.8801, 0.2579,
0.2708

■ 22.8801, 0.2579,
0.2708

■ 267.1086, 0.2881,
0.3028

■ 14.5050, 0.2494,
0.2618

■ 48.1964, 0.2696,
0.2832

■ 8.4727, 0.2378,
0.2495

■ 65.9063, 0.2737,
0.2876

■ 4.3989, 0.2214,
0.2321

■ 87.4967, 0.2772,
0.2912

■ 1.8991, 0.1962,
0.2055

■ 113.3519, 0.2800,
0.2943

■ 0.5478, 0.1472,
0.1535

■ 143.8563, 0.2825,
0.2969

■ 0.0000, 0.0000,
0.0000

179.3943, 0.2846,

0.2991

220.3502, 0.2864,
0.3011

■ 22.8801, 0.2579,
0.2708

■ 22.8801, 0.2579,
0.2708

■ 19.3113, 0.2410,
0.2501

■ 26.9108, 0.2747,
0.2900

■ 16.1832, 0.2244,
0.2281

■ 31.4182, 0.2910,
0.3074

■ 13.4768, 0.2088,
0.2054

■ 36.4193, 0.3066,
0.3230

■ 11.1702, 0.1947,
0.1826

■ 41.9298, 0.3212,
0.3370

■ 9.2392, 0.1829,
0.1606

■ 47.9645, 0.3348,
0.3493

■ 7.6558, 0.1737,
0.1400

■ 54.5375, 0.3474,
0.3601

■ 6.8579, 0.1691,
0.1287

■ 61.6624, 0.3590,
0.3696

■ 69.3522, 0.3696,
0.3778

■ 76.6062, 0.3753,
0.3859

Harmonies

Analogous

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



22.8801, 0.2451, 0.2854



22.8801, 0.2579, 0.2708



22.8801, 0.2851, 0.2710

Triad

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



22.8801, 0.2579, 0.2708



22.8801, 0.3809, 0.3381



22.8801, 0.3010, 0.3801

Complementary

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



22.8801, 0.2579, 0.2708



29.2742, 0.3735, 0.3808

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.



22.8801, 0.3376, 0.3946



22.8801, 0.2579, 0.2708



22.8801, 0.3850, 0.3672

Square

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



22.8801, 0.2579, 0.2708



22.8801, 0.3570, 0.3086



22.8801, 0.3687, 0.3887



22.8801, 0.2689, 0.3491

Rectangle

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



22.8801, 0.2579, 0.2708



22.8801, 0.3088, 0.2788



22.8801, 0.3687, 0.3887



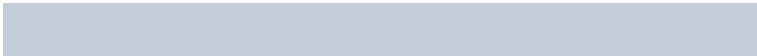
22.8801, 0.3132, 0.3871

Sweetspot

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



22.8810, 0.2579, 0.2708



59.7140, 0.2973, 0.3138



32.9370, 0.2825, 0.3690



13.0966, 0.2951, 0.3116



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.8810, 0.2579, 0.2708



36.0489, 0.2450, 0.2552



17.5645, 0.2575, 0.2309



7.7795, 0.2986, 0.3152



5.3398, 0.1696, 0.1305



0.2308, 0.1884, 0.1983

Inverse Universe

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



21.0559, 0.3590, 0.2937



32.7935, 0.3739, 0.2856



36.4644, 0.3582, 0.4136



7.5907, 0.3225, 0.3199



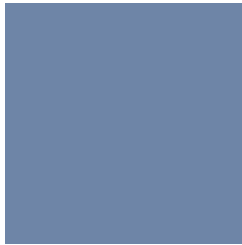
6.6101, 0.5320, 0.2704



0.1710, 0.4472, 0.2237

Previews

White Background



This preview shows how the Yxy color 22.8801, 0.2579, 0.2708 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 22.8801, 0.2579, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

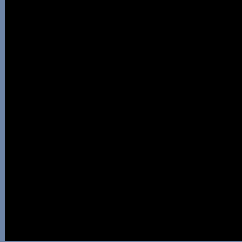
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

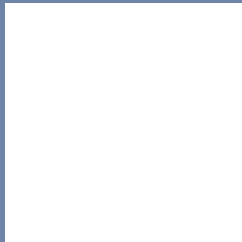
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8801, 0.2579, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 22.8801, 0.2579, 0.2708.

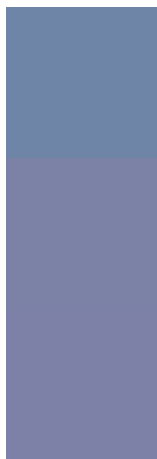


This preview shows how white text looks on a background with the Yxy color 22.8801, 0.2579, 0.2708.

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

22.8801, 0.2579, 0.2708

Protanopia

22.8928, 0.2711, 0.2705

Deuteranopia

22.8876, 0.2703, 0.2646



Tritanopia

22.7182, 0.2705, 0.3089

Trichromacy



Original Color

22.8801, 0.2579, 0.2708

Protanomaly

22.8373, 0.2656, 0.2699

Deuteranomaly

22.7855, 0.2656, 0.2655

Tritanomaly

22.7868, 0.2662, 0.2950

Monochromacy



Original Color

22.8801, 0.2579, 0.2708

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4267, 0.2915, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8801, 0.2579, 0.2708 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(110, 133, 167)` looks like.

```
.text, #text, p{  
    color:rgb(110, 133, 167)  
}
```

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(110, 133, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 133, 167) }
```

Border

The CSS property to change the border of an element to Yxy 22.8801, 0.2579, 0.2708 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(110, 133, 167) }
```

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

```
.border{ border-color:rgb(110, 133, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 133, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 133, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 133, 167);  
box-shadow:4px 4px 4px 4px rgb(110, 133,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8801, 0.2579, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 133, 167) }
```

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

```
.background{ background-color: rgb(110,  
133, 167) }
```

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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