

Converting Colors

$Y_{xy}(22.9298, 0.2260, 0.2473)$

Have a look what the booklet for
Yxy(22.9298, 0.2260, 0.2473)
contains.

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Color

Yxy(22.8183, 0.2258, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	5188B8
RGB	81, 136, 184
RGB Percent	32%, 53%, 72%
CMY	0.6827, 0.4666, 0.2785
CMYK	0.56, 0.26, 0.00, 0.28
HSL	208°, 42%, 52%
HSV	208°, 56%, 72%
XYZ	20.8429, 22.8183, 48.6458
YIQ	125.0270, -48.1880, 3.2680

Conversions

Conversions Part 2

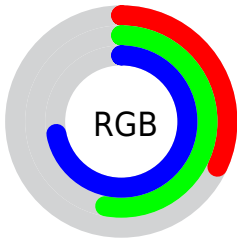
Format	Color
R _Y B	81, 117, 184
Decimal	5343416
CIE Lab	54.88, -4.02, -30.68
CIE LCh	55, 30.942, 262.532
Yxy	22.8183, 0.2258, 0.2472
Android (android.graphics.Color)	4283533496 (0xFF5188B8)
YUV	125.0270, 29.0737, -38.6117
Hunter-Lab	47.7685, -5.7096, -26.9410

Details

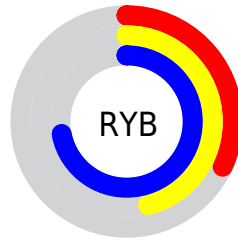
The Yxy color **22.8183, 0.2258, 0.2472** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.4545, 0.4348, 0.3955**, and the grayscale version is **20.4250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0048, 0.2436, 0.2643**, and **8.3724, 0.1961, 0.2167** is the 20% darker color. If you saturate the color by 10%, you get **19.7974, 0.2122, 0.2294**, and if you desaturate by 10%, it is **26.2538, 0.2406, 0.2644**.

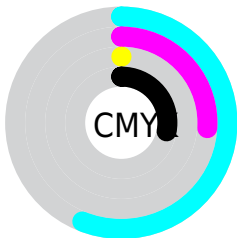
Distribution



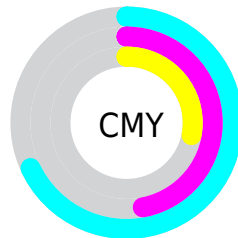
- Red (32%)
- Green (53%)
- Blue (72%)



- Red (32%)
- Yellow (46%)
- Blue (72%)



- Cyan (56%)
- Magenta (26%)
- Yellow (0%)
- Black (28%)



- Cyan (68%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8183, 0.2258, 0.2472 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 22.8183, 0.2258, 0.2472 by changing the saturation by 10% instead.

■ 22.8183, 0.2258,
0.2472

■ 22.8183, 0.2258,
0.2472

■ 266.7904, 0.2727,
0.2919

■ 14.4594, 0.2132,
0.2349

■ 48.0948, 0.2436,
0.2643

■ 8.4409, 0.1965,
0.2185

■ 65.7812, 0.2500,
0.2705

■ 4.3783, 0.1737,
0.1959

■ 87.3455, 0.2554,
0.2756

■ 1.8874, 0.1414,
0.1631

■ 113.1722, 0.2599,
0.2799

■ 0.5408, 0.0833,
0.1083

■ 143.6457, 0.2638,
0.2836

■ 0.0000, 0.0000,
0.0000

179.1502, 0.2672,

0.2867

220.0703, 0.2701,
0.2895

■ 22.8183, 0.2258,
0.2472

■ 22.8183, 0.2258,
0.2472

■ 19.7974, 0.2122,
0.2294

■ 26.2538, 0.2406,
0.2644

■ 17.1657, 0.2004,
0.2113

■ 30.1219, 0.2562,
0.2807

■ 14.8984, 0.1906,
0.1934

■ 34.4422, 0.2721,
0.2958

■ 12.9634, 0.1831,
0.1762

■ 39.2325, 0.2880,
0.3096

■ 12.2613, 0.1804,
0.1695

■ 44.5091, 0.3036,
0.3221

■ 50.2876, 0.3186,
0.3333

■ 56.5829, 0.3329,
0.3433

■ 63.4090, 0.3465,
0.3521

■ 70.7795, 0.3592,
0.3598

Harmonies

Analogous

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



22.8183, 0.2139, 0.2724



22.8183, 0.2258, 0.2472



22.8183, 0.2592, 0.2433

Triad

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



22.8183, 0.2258, 0.2472



22.8183, 0.4082, 0.3285



22.8183, 0.3082, 0.4169

Complementary

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



22.8183, 0.2258, 0.2472



26.4545, 0.4348, 0.3955

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.



22.8183, 0.3617, 0.4285



22.8183, 0.2258, 0.2472



22.8183, 0.4223, 0.3714

Square

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



22.8183, 0.2258, 0.2472



22.8183, 0.3654, 0.2885



22.8183, 0.4041, 0.4088



22.8183, 0.2585, 0.3736

Rectangle

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



22.8183, 0.2258, 0.2472



22.8183, 0.2914, 0.2514



22.8183, 0.4041, 0.4088



22.8183, 0.3263, 0.4247

Sweetspot

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



22.8191, 0.2258, 0.2472



69.9811, 0.2860, 0.3079



37.5619, 0.2767, 0.4264



14.7046, 0.2829, 0.3052



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



22.8191, 0.2258, 0.2472



34.8320, 0.2096, 0.2256



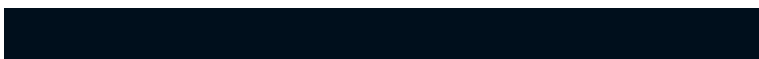
11.8741, 0.2075, 0.1603



9.4930, 0.2985, 0.3181



8.5945, 0.1810, 0.1716



0.4256, 0.1933, 0.2160

Inverse Universe

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



17.8404, 0.3862, 0.2538



26.7941, 0.4108, 0.2423



42.9555, 0.3956, 0.4551



9.0903, 0.3207, 0.3168



7.6499, 0.4787, 0.2411



0.2821, 0.4276, 0.2129

Previews

White Background



This preview shows how the Yxy color 22.8183, 0.2258, 0.2472 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 22.8183, 0.2258, 0.2472 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

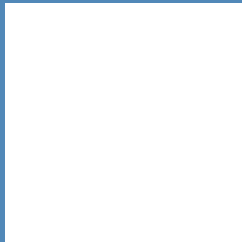
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8183, 0.2258, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 22.8183, 0.2258, 0.2472.

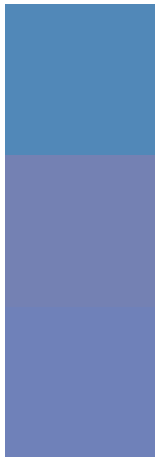


This preview shows how white text looks on a background with the Yxy color 22.8183, 0.2258, 0.2472.

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

22.8183, 0.2258, 0.2472

Protanopia

22.6682, 0.2530, 0.2473

Deuteranopia

22.5828, 0.2444, 0.2383



Tritanopia

22.9111, 0.2403, 0.3079

Trichromacy



Original Color

22.8183, 0.2258, 0.2472

Protanomaly

22.7223, 0.2416, 0.2474

Deuteranomaly

22.7146, 0.2366, 0.2414

Tritanomaly

22.8530, 0.2347, 0.2849

Monochromacy



Original Color

22.8183, 0.2258, 0.2472

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0270, 0.2740, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8183, 0.2258, 0.2472 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(81, 136, 184)` looks like.

```
.text, #text, p{  
    color:rgb(81, 136, 184)  
}
```

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(81, 136, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 136, 184) }
```

Border

The CSS property to change the border of an element to Yxy 22.8183, 0.2258, 0.2472 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(81, 136, 184) }
```

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

```
.border{ border-color:rgb(81, 136, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 136, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 136, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 136, 184);  
box-shadow:4px 4px 4px 4px rgb(81, 136,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8183, 0.2258, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 136, 184) }
```

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

```
.background{ background-color: rgb(81, 136,  
184) }
```

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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