

Converting Colors

$Y_{xy}(27.2428, 0.2201, 0.2474)$

Have a look what the booklet for
Yxy(27.2428, 0.2201, 0.2474)
contains.

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Color

Yxy(27.2428, 0.2201, 0.2474)

Conversions

Conversions Part 1

Format	Color
Hex	4D95C8
RGB	77, 149, 200
RGB Percent	30%, 58%, 78%
CMY	0.6979, 0.4157, 0.2156
CMYK	0.61, 0.26, 0.00, 0.22
HSL	205°, 53%, 54%
HSV	205°, 61%, 78%
XYZ	24.2366, 27.2428, 58.6370
YIQ	133.2860, -59.2830, 0.5970

Conversions

Conversions Part 2

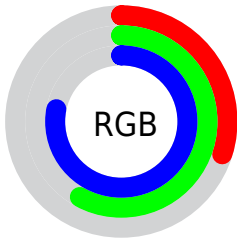
Format	Color
RYB	77, 122, 200
Decimal	5084616
CIELab	59.20, -7.07, -33.06
CIElCh	59, 33.812, 257.937
Yxy	27.2428, 0.2201, 0.2474
Android (android.graphics.Color)	4283274696 (0xFF4D95C8)
YUV	133.2860, 32.8900, -49.3628
Hunter-Lab	52.1946, -8.4540, -30.0719

Details

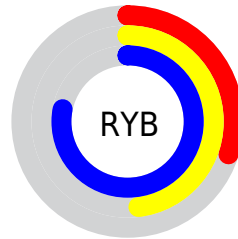
The Yxy color **27.2428, 0.2201, 0.2474** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **28.2712, 0.4574, 0.3931**, and the grayscale version is **23.4623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1661, 0.2390, 0.2660**, and **10.8107, 0.1944, 0.2200** is the 20% darker color. If you saturate the color by 10%, you get **24.0025, 0.2082, 0.2313**, and if you desaturate by 10%, it is **30.9279, 0.2336, 0.2630**.

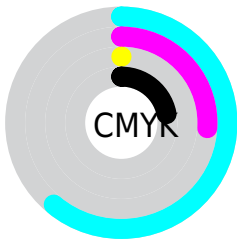
Distribution



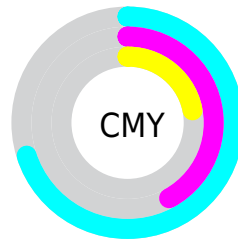
- Red (30%)
- Green (58%)
- Blue (78%)



- Red (30%)
- Yellow (48%)
- Blue (78%)



- Cyan (61%)
- Magenta (26%)
- Yellow (0%)
- Black (22%)



- Cyan (70%)
- Magenta (42%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2428, 0.2201, 0.2474 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 27.2428, 0.2201, 0.2474 by changing the saturation by 10% instead.

■ 27.2428, 0.2201,
0.2474

■ 27.2428, 0.2201,
0.2474

288.8308, 0.2685,
0.2910

■ 17.7557, 0.2077,
0.2358

■ 55.2732, 0.2380,
0.2638

■ 10.7747, 0.1916,
0.2207

■ 74.5853, 0.2447,
0.2698

■ 5.9155, 0.1703,
0.2001

■ 97.9412, 0.2502,
0.2748

■ 2.7938, 0.1411,
0.1713

■ 125.7252, 0.2550,
0.2791

■ 1.0250, 0.1005,
0.1295

158.3218, 0.2590,
0.2827

■ 0.0000, 0.0000,
0.0000

196.1153, 0.2626,

0.2858

239.4902, 0.2657,
0.2886

■ 27.2428, 0.2201,
0.2474

■ 27.2428, 0.2201,
0.2474

■ 24.0025, 0.2082,
0.2313

■ 30.9279, 0.2336,
0.2630

■ 21.1760, 0.1982,
0.2152

■ 35.0799, 0.2483,
0.2780

■ 18.7312, 0.1903,
0.1994

■ 39.7224, 0.2637,
0.2920

■ 16.9028, 0.1851,
0.1863

■ 44.8764, 0.2794,
0.3050

■ 50.5612, 0.2951,
0.3168

■ 56.7953, 0.3105,
0.3275

■ 63.5958, 0.3254,
0.3371

■ 70.9792, 0.3396,
0.3455

■ 78.5706, 0.3516,
0.3531

Harmonies

Analogous

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



27.2428, 0.2115, 0.2765



27.2428, 0.2201, 0.2474



27.2428, 0.2511, 0.2403

Triad

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



27.2428, 0.2201, 0.2474



27.2428, 0.4060, 0.3216



27.2428, 0.3165, 0.4240

Complementary

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



27.2428, 0.2201, 0.2474



28.2712, 0.4574, 0.3931

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.



27.2428, 0.3707, 0.4302



27.2428, 0.2201, 0.2474



27.2428, 0.4256, 0.3656

Square

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



27.2428, 0.2201, 0.2474



27.2428, 0.3584, 0.2818



27.2428, 0.4115, 0.4058



27.2428, 0.2638, 0.3833

Rectangle

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



27.2428, 0.2201, 0.2474



27.2428, 0.2825, 0.2467



27.2428, 0.4115, 0.4058



27.2428, 0.3351, 0.4301

Sweetspot

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



27.2438, 0.2201, 0.2474



80.7564, 0.2845, 0.3090



44.4096, 0.2782, 0.4493



16.6827, 0.2798, 0.3053



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.



27.2438, 0.2201, 0.2474



39.7203, 0.2044, 0.2256



12.9497, 0.1980, 0.1501



11.3013, 0.2983, 0.3192



10.9252, 0.1857, 0.1884



0.6578, 0.1947, 0.2208

Inverse Universe

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



19.7640, 0.3880, 0.2403



28.3545, 0.4132, 0.2292



48.6663, 0.4069, 0.4595



10.7393, 0.3200, 0.3156



8.6429, 0.4586, 0.2300



0.4234, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 27.2428, 0.2201, 0.2474 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 27.2428, 0.2201, 0.2474 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 27.2428, 0.2201, 0.2474

Background



This preview shows how black text looks on a background with the Yxy color 27.2428, 0.2201, 0.2474.

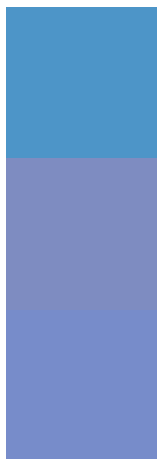


This preview shows how white text looks on a background with the Yxy color 27.2428, 0.2201, 0.2474.

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

27.2428, 0.2201, 0.2474

Protanopia

27.0420, 0.2536, 0.2484

Deuteranopia

26.9424, 0.2421, 0.2359



Tritanopia

27.2940, 0.2327, 0.3057

Trichromacy



Original Color

27.2428, 0.2201, 0.2474

Protanomaly

26.8186, 0.2387, 0.2464

Deuteranomaly

26.8050, 0.2329, 0.2395

Tritanomaly

27.2710, 0.2274, 0.2826

Monochromacy



Original Color

27.2428, 0.2201, 0.2474

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.4103, 0.2699, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2428, 0.2201, 0.2474 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(77, 149, 200)` looks like.

```
.text, #text, p{  
    color:rgb(77, 149, 200)  
}
```

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(77, 149, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 149, 200) }
```

Border

The CSS property to change the border of an element to Yxy 27.2428, 0.2201, 0.2474 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(77, 149, 200) }
```

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

```
.border{ border-color:rgb(77, 149, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 149, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 149, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 149, 200);  
box-shadow:4px 4px 4px 4px rgb(77, 149,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2428, 0.2201, 0.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 149, 200) }
```

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

```
.background{ background-color: rgb(77, 149,  
200) }
```

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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