

Converting Colors

$Y_{xy}(27.2095, 0.2367, 0.2442)$

Have a look what the booklet for
Yxy(27.2095, 0.2367, 0.2442)
contains.

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Color

Yxy(27.1958, 0.2364, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	6B90C7
RGB	107, 144, 199
RGB Percent	42%, 56%, 78%
CMY	0.5806, 0.4352, 0.2197
CMYK	0.46, 0.28, 0.00, 0.22
HSL	216°, 45%, 60%
HSV	216°, 46%, 78%
XYZ	26.3379, 27.1958, 57.8788
YIQ	139.2070, -39.7070, 9.2610

Conversions

Conversions Part 2

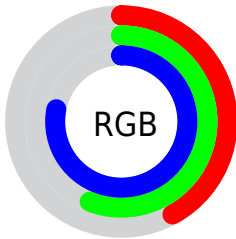
Format	Color
R_{YB}	107, 133, 199
Decimal	7049415
CIE _{Lab}	59.16, 2.03, -32.44
CIE _{LCh}	59, 32.499, 273.582
Yxy	27.1958, 0.2364, 0.2441
Android (android.graphics.Color)	4285239495 (0xFF6B90C7)
YUV	139.2070, 29.4779, -28.2455
Hunter-Lab	52.1496, -1.1111, -29.2990

Details

The Yxy color **27.1958, 0.2364, 0.2441** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.0060, 0.4012, 0.4002**, and the grayscale version is **25.7947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2895, 0.2520, 0.2621**, and **10.7798, 0.2122, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **22.6903, 0.2198, 0.2216**, and if you desaturate by 10%, it is **32.3659, 0.2535, 0.2655**.

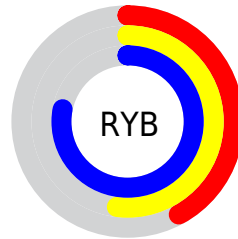
Distribution



Red (42%)

Green (56%)

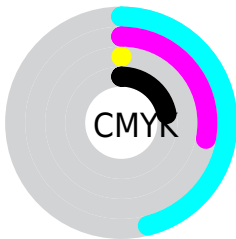
Blue (78%)



Red (42%)

Yellow (52%)

Blue (78%)

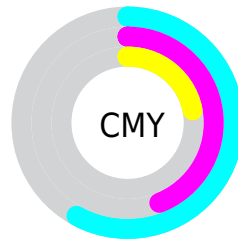


Cyan (46%)

Magenta (28%)

Yellow (0%)

Black (22%)



Cyan (58%)

Magenta (44%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1958, 0.2364, 0.2441 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 27.1958, 0.2364, 0.2441 by changing the saturation by 10% instead.

■ 27.1958, 0.2364,
0.2441

■ 27.1958, 0.2364,
0.2441

■ 288.6039, 0.2768,
0.2887

■ 17.7203, 0.2258,
0.2325

■ 55.1979, 0.2515,
0.2607

■ 10.7494, 0.2119,
0.2173

■ 74.4933, 0.2571,
0.2669

■ 5.8986, 0.1932,
0.1970

■ 97.8309, 0.2617,
0.2720

■ 2.7835, 0.1669,
0.1687

■ 125.5949, 0.2656,
0.2764

■ 1.0198, 0.1285,
0.1279

■ 158.1698, 0.2690,
0.2801

■ 0.0000, 0.0000,
0.0000

195.9400, 0.2719,

0.2834

239.2899, 0.2745,
0.2862

■ 27.1958, 0.2364,
0.2441

■ 27.1958, 0.2364,
0.2441

■ 22.6903, 0.2198,
0.2216

■ 32.3659, 0.2535,
0.2655

■ 18.8150, 0.2044,
0.1984

■ 38.2266, 0.2706,
0.2853

■ 15.5363, 0.1907,
0.1754

■ 44.8059, 0.2873,
0.3034

■ 12.8155, 0.1796,
0.1535

■ 52.1295, 0.3032,
0.3197

■ 10.6057, 0.1711,
0.1333

■ 60.2214, 0.3182,
0.3342

■ 9.8821, 0.1684,
0.1262

■ 69.1046, 0.3322,
0.3470

■ 78.8011, 0.3452,
0.3583

■ 87.1602, 0.3492,
0.3692

■ 94.3510, 0.3468,
0.3803

Harmonies

Analogous

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



27.1958, 0.2165, 0.2612



27.1958, 0.2364, 0.2441



27.1958, 0.2765, 0.2474

Triad

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



27.1958, 0.2364, 0.2441



27.1958, 0.4163, 0.3442



27.1958, 0.2889, 0.4032

Complementary

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



27.1958, 0.2364, 0.2441



39.0060, 0.4012, 0.4002

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.



27.1958, 0.3423, 0.4274



27.1958, 0.2364, 0.2441



27.1958, 0.4182, 0.3859

Square

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



27.1958, 0.2364, 0.2441



27.1958, 0.3830, 0.3027



27.1958, 0.3900, 0.4182



27.1958, 0.2444, 0.3529

Rectangle

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



27.1958, 0.2364, 0.2441



27.1958, 0.3115, 0.2597



27.1958, 0.3900, 0.4182



27.1958, 0.3064, 0.4150

Sweetspot

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



27.1968, 0.2364, 0.2441



80.9908, 0.2906, 0.3069



46.5184, 0.2735, 0.3870



16.7593, 0.2871, 0.3032



0.0000, 0.0000, 0.0000



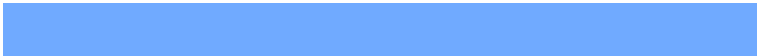
21.4041, 0.3127, 0.3290

Same Dimension

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



27.1968, 0.2364, 0.2441



39.3238, 0.2189, 0.2202



18.2453, 0.2323, 0.1878



10.9771, 0.2983, 0.3148



6.5178, 0.1691, 0.1287



0.4500, 0.1808, 0.1709

Inverse Universe

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



24.6571, 0.3851, 0.2806



35.7844, 0.4112, 0.2711



53.0123, 0.3737, 0.4439



10.7066, 0.3228, 0.3197



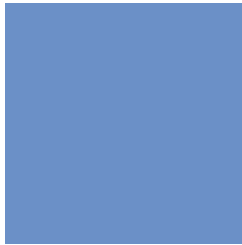
8.1980, 0.5344, 0.2718



0.4024, 0.4795, 0.2415

Previews

White Background



This preview shows how the Yxy color 27.1958, 0.2364, 0.2441 looks on a white background.

Color Contrast Check

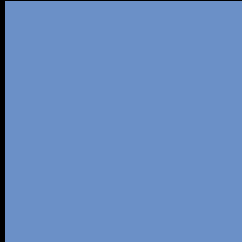
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1958, 0.2364, 0.2441 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

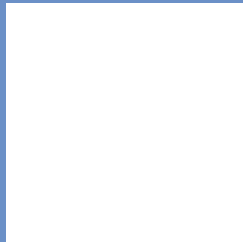
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.1958, 0.2364, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 27.1958, 0.2364, 0.2441.

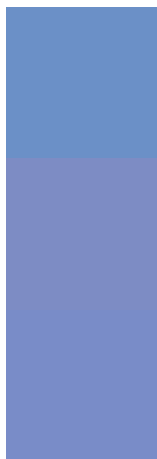


This preview shows how white text looks on a background with the Yxy color 27.1958, 0.2364, 0.2441.

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

27.1958, 0.2364, 0.2441

Protanopia

27.1017, 0.2507, 0.2444

Deuteranopia

26.9912, 0.2449, 0.2387



Tritanopia

27.2644, 0.2543, 0.3081

Trichromacy



Original Color

27.1958, 0.2364, 0.2441

Protanomaly

26.9325, 0.2448, 0.2435

Deuteranomaly

26.9329, 0.2414, 0.2394

Tritanomaly

27.0237, 0.2473, 0.2822

Monochromacy



Original Color

27.1958, 0.2364, 0.2441

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.1350, 0.2798, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1958, 0.2364, 0.2441 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(107, 144, 199)` looks like.

```
.text, #text, p{  
    color:rgb(107, 144, 199)  
}
```

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(107, 144, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 144, 199) }
```

Border

The CSS property to change the border of an element to Yxy 27.1958, 0.2364, 0.2441 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(107, 144, 199) }
```

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

```
.border{ border-color:rgb(107, 144, 199) }
```

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

Here you see how a box with a 4 pixel rgb(107, 144, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 144, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 144, 199);  
box-shadow:4px 4px 4px 4px rgb(107, 144,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1958, 0.2364, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 144, 199) }
```

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

```
.background{ background-color: rgb(107,  
144, 199) }
```

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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