

Converting Colors

$Yxy(27.2878, 0.2164, 0.2462)$

Have a look what the booklet for
Yxy(27.2878, 0.2164, 0.2462)
contains.

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Color

Yxy(27.3318, 0.2168, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	4696C9
RGB	70, 150, 201
RGB Percent	27%, 59%, 79%
CMY	0.7257, 0.4117, 0.2118
CMYK	0.65, 0.25, 0.00, 0.21
HSL	203°, 55%, 53%
HSV	203°, 65%, 79%
XYZ	23.9706, 27.3318, 59.2631
YIQ	131.8940, -64.0510, -1.0990

Conversions

Conversions Part 2

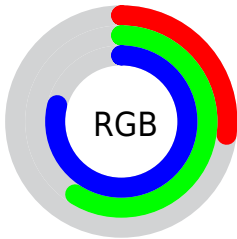
Format	Color
R _Y B	70, 120, 201
Decimal	4626121
CIE Lab	59.28, -8.58, -33.50
CIE LCh	59, 34.583, 255.630
Yxy	27.3318, 0.2168, 0.2472
Android (android.graphics.Color)	4282816201 (0xFF4696C9)
YUV	131.8940, 34.0693, -54.2810
Hunter-Lab	52.2798, -9.6464, -30.6138

Details

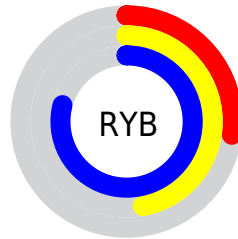
The Yxy color **27.3318, 0.2168, 0.2472** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **26.5153, 0.4726, 0.3914**, and the grayscale version is **22.9227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2310, 0.2368, 0.2669**, and **11.0303, 0.1946, 0.2207** is the 20% darker color. If you saturate the color by 10%, you get **24.2938, 0.2059, 0.2321**, and if you desaturate by 10%, it is **30.7883, 0.2294, 0.2620**.

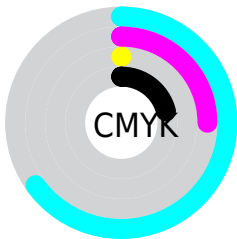
Distribution



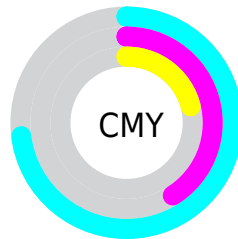
- Red (27%)
- Green (59%)
- Blue (79%)



- Red (27%)
- Yellow (47%)
- Blue (79%)



- Cyan (65%)
- Magenta (25%)
- Yellow (0%)
- Black (21%)



- Cyan (73%)
- Magenta (41%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3318, 0.2168, 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 27.3318, 0.2168, 0.2472 by changing the saturation by 10% instead.

■ 27.3318, 0.2168,
0.2472

■ 27.3318, 0.2168,
0.2472

■ 289.2601, 0.2667,
0.2910

■ 17.8226, 0.2040,
0.2356

■ 55.4158, 0.2353,
0.2637

■ 10.8227, 0.1876,
0.2203

■ 74.7594, 0.2421,
0.2697

■ 5.9477, 0.1658,
0.1997

■ 98.1500, 0.2479,
0.2748

■ 2.8133, 0.1363,
0.1707

■ 125.9718, 0.2528,
0.2790

■ 1.0351, 0.0954,
0.1288

■ 158.6093, 0.2570,
0.2827

■ 0.0000, 0.0000,
0.0000

196.4469, 0.2606,

0.2858

239.8691, 0.2639,
0.2886

■ 27.3318, 0.2168,
0.2472

■ 27.3318, 0.2168,
0.2472

■ 24.2938, 0.2059,
0.2321

■ 30.7883, 0.2294,
0.2620

■ 21.6420, 0.1971,
0.2171

■ 34.6860, 0.2434,
0.2762

■ 19.3422, 0.1904,
0.2024

■ 39.0489, 0.2583,
0.2896

■ 18.3320, 0.1876,
0.1955

■ 43.8982, 0.2737,
0.3021

■ 49.2534, 0.2893,
0.3136

■ 55.1327, 0.3048,
0.3240

■ 61.5536, 0.3199,
0.3334

■ 68.5322, 0.3345,
0.3417

■ 76.0842, 0.3485,
0.3490

Harmonies

Analogous

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



27.3318, 0.2098, 0.2785



27.3318, 0.2168, 0.2472



27.3318, 0.2466, 0.2384

Triad

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



27.3318, 0.2168, 0.2472



27.3318, 0.4052, 0.3180



27.3318, 0.3208, 0.4281

Complementary

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



27.3318, 0.2168, 0.2472



26.5153, 0.4726, 0.3914

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.



27.3318, 0.3757, 0.4314



27.3318, 0.2168, 0.2472



27.3318, 0.4277, 0.3627

Square

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



27.3318, 0.2168, 0.2472



27.3318, 0.3549, 0.2781



27.3318, 0.4157, 0.4044



27.3318, 0.2665, 0.3888

Rectangle

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



27.3318, 0.2168, 0.2472



27.3318, 0.2778, 0.2439



27.3318, 0.4157, 0.4044



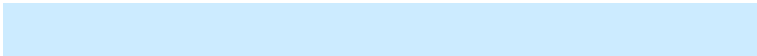
27.3318, 0.3398, 0.4333

Sweetspot

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



27.3328, 0.2168, 0.2472



79.5651, 0.2814, 0.3079



44.4289, 0.2786, 0.4617



16.4790, 0.2769, 0.3046



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.



27.3328, 0.2168, 0.2472



39.7535, 0.2022, 0.2263



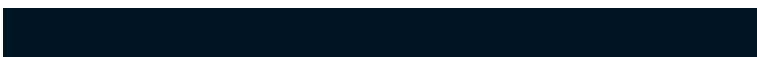
12.0515, 0.1919, 0.1416



11.3479, 0.2984, 0.3198



11.7101, 0.1882, 0.1975



0.6922, 0.1967, 0.2279

Inverse Universe

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



18.9925, 0.3893, 0.2327



27.2972, 0.4136, 0.2229



47.8496, 0.4132, 0.4632



10.7440, 0.3196, 0.3150



8.7221, 0.4481, 0.2242



0.4269, 0.4148, 0.2059

Previews

White Background



This preview shows how the Yxy color 27.3318, 0.2168, 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 27.3318, 0.2168, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

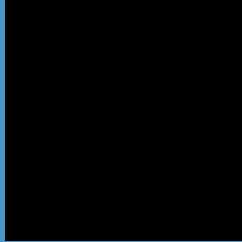
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

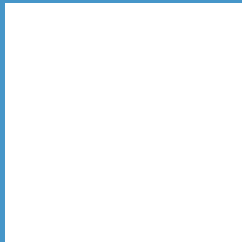
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.3318, 0.2168, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 27.3318, 0.2168, 0.2472.

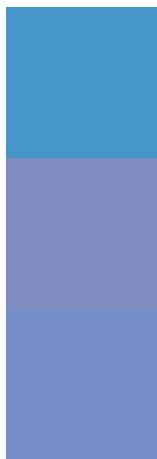


This preview shows how white text looks on a background with the Yxy color 27.3318, 0.2168, 0.2472.

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

27.3318, 0.2168, 0.2472

Protanopia

27.0420, 0.2536, 0.2484

Deuteranopia

27.2131, 0.2409, 0.2361



Tritanopia

27.3716, 0.2285, 0.3056

Trichromacy



Original Color

27.3318, 0.2168, 0.2472

Protanomaly

26.9962, 0.2376, 0.2478

Deuteranomaly

26.9775, 0.2307, 0.2394

Tritanomaly

27.3772, 0.2239, 0.2824

Monochromacy



Original Color

27.3318, 0.2168, 0.2472

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.1508, 0.2663, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3318, 0.2168, 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(70, 150, 201)` looks like.

```
.text, #text, p{  
    color:rgb(70, 150, 201)  
}
```

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(70, 150, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 150, 201) }
```

Border

The CSS property to change the border of an element to Yxy 27.3318, 0.2168, 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(70, 150, 201) }
```

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

```
.border{ border-color:rgb(70, 150, 201) }
```

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

Here you see how a box with a 4 pixel rgb(70, 150, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 150, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 150, 201);  
box-shadow:4px 4px 4px 4px rgb(70, 150,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3318, 0.2168, 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(70, 150, 201) }
```

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

```
.background{ background-color: rgb(70, 150,  
201) }
```

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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