

Converting Colors

$Y_{xy}(24.1575, 0.2105, 0.2369)$

Have a look what the booklet for
Yxy(24.1575, 0.2105, 0.2369)
contains.

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Color

Yxy(24.3070, 0.2108, 0.2377)

Conversions

Conversions Part 1

Format	Color
Hex	3B8EC5
RGB	59, 142, 197
RGB Percent	23%, 56%, 77%
CMY	0.7687, 0.4431, 0.2273
CMYK	0.70, 0.28, 0.00, 0.23
HSL	204°, 54%, 50%
HSV	204°, 70%, 77%
XYZ	21.5562, 24.3070, 56.3959
YIQ	123.4530, -67.1230, -0.4910

Conversions

Conversions Part 2

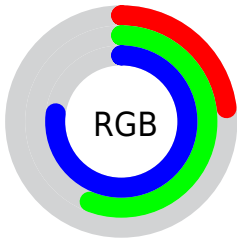
Format	Color
R_{YB}	59, 111, 197
Decimal	3903173
CIE _{Lab}	56.39, -7.13, -35.80
CIE _{LCh}	56, 36.503, 258.743
Yxy	24.3070, 0.2108, 0.2377
Android (android.graphics.Color)	4282093253 (0xFF3B8EC5)
YUV	123.4530, 36.2587, -56.5253
Hunter-Lab	49.3021, -8.2337, -33.3094

Details

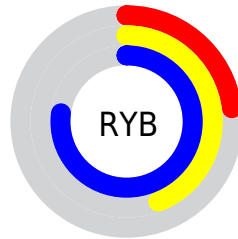
The Yxy color **24.3070, 0.2108, 0.2377** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **24.2278, 0.4867, 0.3952**, and the grayscale version is **19.8585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7732, 0.2311, 0.2570**, and **9.6375, 0.1918, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **21.5598, 0.2007, 0.2222**, and if you desaturate by 10%, it is **27.4476, 0.2228, 0.2530**.

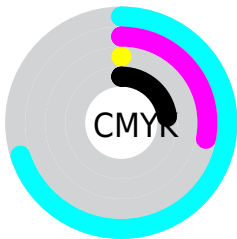
Distribution



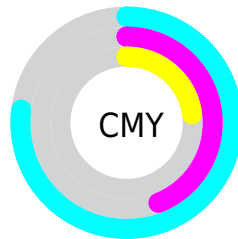
- Red (23%)
- Green (56%)
- Blue (77%)



- Red (23%)
- Yellow (44%)
- Blue (77%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (23%)



- Cyan (77%)
- Magenta (44%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3070, 0.2108, 0.2377 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 24.3070, 0.2108, 0.2377 by changing the saturation by 10% instead.

■ 24.3070, 0.2108,
0.2377

■ 24.3070, 0.2108,
0.2377

274.3689, 0.2646,
0.2870

■ 15.5615, 0.1968,
0.2245

■ 50.5307, 0.2308,
0.2564

■ 9.2144, 0.1788,
0.2071

■ 68.7777, 0.2382,
0.2632

■ 4.8813, 0.1550,
0.1837

■ 90.9607, 0.2444,
0.2688

■ 2.1778, 0.1226,
0.1510

■ 117.4641, 0.2497,
0.2736

■ 0.7078, 0.0732,
0.1039

■ 148.6722, 0.2542,
0.2777

■ 0.0000, 0.0000,
0.0000

184.9694, 0.2581,

0.2812

226.7402, 0.2615,
0.2843

■ 24.3070, 0.2108,
0.2377

■ 24.3070, 0.2108,
0.2377

■ 21.5598, 0.2007,
0.2222

■ 27.4476, 0.2228,
0.2530

■ 19.1732, 0.1928,
0.2070

■ 31.0054, 0.2362,
0.2679

■ 17.1042, 0.1867,
0.1922

■ 35.0044, 0.2508,
0.2821

■ 39.4658, 0.2661,
0.2954

■ 44.4092, 0.2817,
0.3077

■ 49.8528, 0.2973,
0.3189

■ 55.8135, 0.3126,
0.3289

■ 62.3077, 0.3275,
0.3380

■ 69.3508, 0.3417,
0.3460

Harmonies

Analogous

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



24.3070, 0.2006, 0.2686



24.3070, 0.2108, 0.2377



24.3070, 0.2453, 0.2310

Triad

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



24.3070, 0.2108, 0.2377



24.3070, 0.4185, 0.3213



24.3070, 0.3144, 0.4360

Complementary

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



24.3070, 0.2108, 0.2377



24.2278, 0.4867, 0.3952

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.



24.3070, 0.3751, 0.4427



24.3070, 0.2108, 0.2377



24.3070, 0.4392, 0.3697

Square

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



24.3070, 0.2108, 0.2377



24.3070, 0.3654, 0.2776



24.3070, 0.4217, 0.4146



24.3070, 0.2564, 0.3888

Rectangle

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



24.3070, 0.2108, 0.2377



24.3070, 0.2803, 0.2386



24.3070, 0.4217, 0.4146



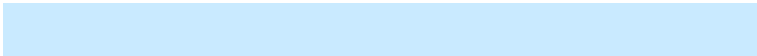
24.3070, 0.3352, 0.4430

Sweetspot

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



24.3078, 0.2108, 0.2377



78.3482, 0.2797, 0.3062



42.0428, 0.2779, 0.4732



16.2263, 0.2754, 0.3028



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.



24.3078, 0.2108, 0.2377



36.2915, 0.1963, 0.2142



10.0063, 0.1837, 0.1276



11.3306, 0.2984, 0.3196



11.4136, 0.1873, 0.1941



0.6793, 0.1959, 0.2253

Inverse Universe

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



16.9537, 0.3998, 0.2299



25.7197, 0.4276, 0.2233



45.2067, 0.4189, 0.4696



10.7422, 0.3197, 0.3152



8.6922, 0.4520, 0.2263



0.4256, 0.4176, 0.2074

Previews

White Background



This preview shows how the Yxy color 24.3070, 0.2108, 0.2377 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 24.3070, 0.2108, 0.2377 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

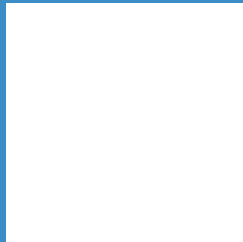
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3070, 0.2108, 0.2377

Background



This preview shows how black text looks on a background with the Yxy color 24.3070, 0.2108, 0.2377.

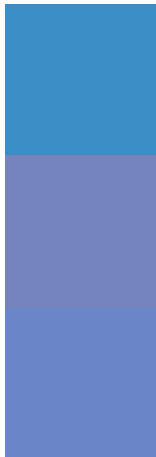


This preview shows how white text looks on a background with the Yxy color 24.3070, 0.2108, 0.2377.

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

24.3070, 0.2108, 0.2377

Protanopia

23.9586, 0.2472, 0.2391

Deuteranopia

24.2379, 0.2328, 0.2278



Tritanopia

24.3752, 0.2232, 0.3061

Trichromacy



Original Color

24.3070, 0.2108, 0.2377

Protanomaly

23.9009, 0.2307, 0.2383

Deuteranomaly

24.0924, 0.2232, 0.2312

Tritanomaly

24.1060, 0.2177, 0.2781

Monochromacy



Original Color

24.3070, 0.2108, 0.2377

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.8766, 0.2621, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3070, 0.2108, 0.2377 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(59, 142, 197)` looks like.

```
.text, #text, p{  
    color:rgb(59, 142, 197)  
}
```

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(59, 142, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 142, 197) }
```

Border

The CSS property to change the border of an element to Yxy 24.3070, 0.2108, 0.2377 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(59, 142, 197) }
```

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

```
.border{ border-color:rgb(59, 142, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 142, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 142, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 142, 197);  
box-shadow:4px 4px 4px 4px rgb(59, 142,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3070, 0.2108, 0.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 142, 197) }
```

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

```
.background{ background-color: rgb(59, 142,  
197) }
```

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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