

Converting Colors

$Y_{xy}(24.5233, 0.2127, 0.2450)$

Have a look what the booklet for
Yxy(24.5233, 0.2127, 0.2450)
contains.

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Color

Yxy(24.3947, 0.2127, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	3A8FC1
RGB	58, 143, 193
RGB Percent	23%, 56%, 76%
CMY	0.7725, 0.4392, 0.2430
CMYK	0.70, 0.26, 0.00, 0.24
HSL	202°, 54%, 49%
HSV	202°, 70%, 76%
XYZ	21.1959, 24.3947, 54.0610
YIQ	123.2850, -66.7100, -2.4700

Conversions

Conversions Part 2

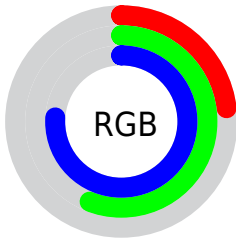
Format	Color
R_{YB}	58, 110, 193
Decimal	3837889
CIE _{Lab}	56.48, -9.21, -33.40
CIE _{LCh}	56, 34.649, 254.586
Yxy	24.3947, 0.2127, 0.2448
Android (android.graphics.Color)	4282027969 (0xFF3A8FC1)
YUV	123.2850, 34.3695, -57.2549
Hunter-Lab	49.3910, -9.8319, -30.3222

Details

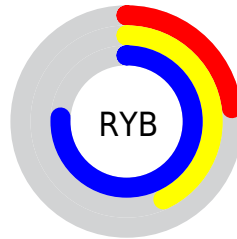
The Yxy color **24.3947, 0.2127, 0.2448** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **22.3822, 0.4905, 0.3902**, and the grayscale version is **19.8089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8277, 0.2322, 0.2624**, and **9.6928, 0.1944, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **21.8416, 0.2030, 0.2305**, and if you desaturate by 10%, it is **27.3032, 0.2243, 0.2589**.

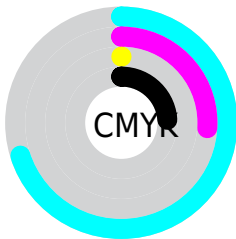
Distribution



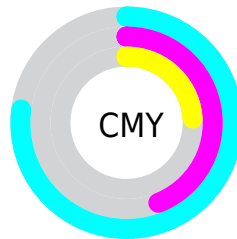
- Red (23%)
- Green (56%)
- Blue (76%)



- Red (23%)
- Yellow (43%)
- Blue (76%)



- Cyan (70%)
- Magenta (26%)
- Yellow (0%)
- Black (24%)



- Cyan (77%)
- Magenta (44%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3947, 0.2127, 0.2448 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 24.3947, 0.2127, 0.2448 by changing the saturation by 10% instead.

■ 24.3947, 0.2127,
0.2448

■ 24.3947, 0.2127,
0.2448

274.8099, 0.2655,
0.2907

■ 15.6267, 0.1989,
0.2323

■ 50.6735, 0.2324,
0.2623

■ 9.2604, 0.1811,
0.2158

■ 68.9531, 0.2397,
0.2686

■ 4.9114, 0.1573,
0.1932

■ 91.1720, 0.2458,
0.2739

■ 2.1954, 0.1249,
0.1612

■ 117.7146, 0.2509,
0.2783

■ 0.7175, 0.0727,
0.1141

■ 148.9653, 0.2554,
0.2821

■ 0.0000, 0.0000,
0.0000

185.3085, 0.2592,

0.2854

227.1286, 0.2626,
0.2882

■ 24.3947, 0.2127,
0.2448

■ 24.3947, 0.2127,
0.2448

■ 21.8416, 0.2030,
0.2305

■ 27.3032, 0.2243,
0.2589

■ 19.6133, 0.1954,
0.2164

■ 30.5889, 0.2373,
0.2727

■ 17.6580, 0.1896,
0.2025

■ 34.2739, 0.2516,
0.2857

■ 17.6479, 0.1896,
0.2024

■ 38.3779, 0.2666,
0.2980

■ 42.9189, 0.2820,
0.3093

■ 47.9134, 0.2975,
0.3197

■ 53.3774, 0.3128,
0.3290

■ 59.3255, 0.3277,
0.3374

■ 65.7720, 0.3420,
0.3448

Harmonies

Analogous

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



24.3947, 0.2063, 0.2779



24.3947, 0.2127, 0.2448



24.3947, 0.2427, 0.2351

Triad

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



24.3947, 0.2127, 0.2448



24.3947, 0.4075, 0.3158



24.3947, 0.3229, 0.4333

Complementary

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



24.3947, 0.2127, 0.2448



22.3822, 0.4905, 0.3902

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.



24.3947, 0.3797, 0.4349



24.3947, 0.2127, 0.2448



24.3947, 0.4322, 0.3620

Square

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



24.3947, 0.2127, 0.2448



24.3947, 0.3545, 0.2750



24.3947, 0.4206, 0.4056



24.3947, 0.2663, 0.3933

Rectangle

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



24.3947, 0.2127, 0.2448



24.3947, 0.2745, 0.2404



24.3947, 0.4206, 0.4056



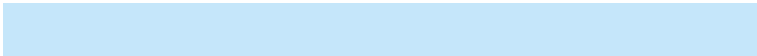
24.3947, 0.3426, 0.4381

Sweetspot

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



24.3955, 0.2127, 0.2448



75.6690, 0.2799, 0.3078



40.1259, 0.2792, 0.4766



15.7378, 0.2756, 0.3047



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



24.3955, 0.2127, 0.2448



36.8939, 0.1987, 0.2229



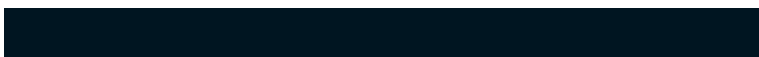
9.9226, 0.1848, 0.1314



10.7806, 0.2984, 0.3203



11.8911, 0.1901, 0.2042



0.6420, 0.1987, 0.2352

Inverse Universe

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



16.3520, 0.3929, 0.2257



24.8048, 0.4184, 0.2180



42.3181, 0.4206, 0.4672



10.1821, 0.3193, 0.3146



8.4826, 0.4405, 0.2200



0.3795, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 24.3947, 0.2127, 0.2448 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 24.3947, 0.2127, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

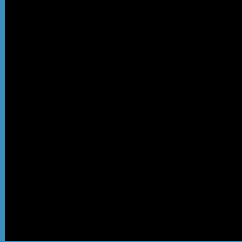
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

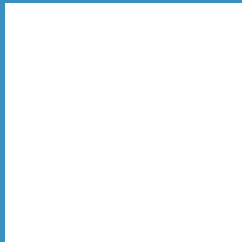
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3947, 0.2127, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 24.3947, 0.2127, 0.2448.

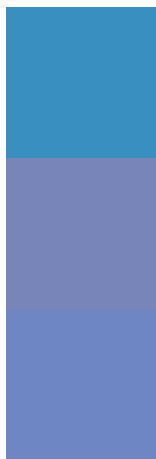


This preview shows how white text looks on a background with the Yxy color 24.3947, 0.2127, 0.2448.

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

24.3947, 0.2127, 0.2448

Protanopia

24.1998, 0.2520, 0.2464

Deuteranopia

24.3053, 0.2382, 0.2334



Tritanopia

24.4254, 0.2240, 0.3061

Trichromacy



Original Color

24.3947, 0.2127, 0.2448

Protanomaly

24.0635, 0.2341, 0.2455

Deuteranomaly

24.0105, 0.2266, 0.2366

Tritanomaly

24.3982, 0.2190, 0.2817

Monochromacy



Original Color

24.3947, 0.2127, 0.2448

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7560, 0.2629, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3947, 0.2127, 0.2448 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(58, 143, 193)` looks like.

```
.text, #text, p{  
    color:rgb(58, 143, 193)  
}
```

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(58, 143, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 143, 193) }
```

Border

The CSS property to change the border of an element to Yxy 24.3947, 0.2127, 0.2448 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(58, 143, 193) }
```

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

```
.border{ border-color:rgb(58, 143, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 143, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 143, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 143, 193);  
box-shadow:4px 4px 4px 4px rgb(58, 143,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3947, 0.2127, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 143, 193) }
```

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

```
.background{ background-color: rgb(58, 143,  
193) }
```

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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