

Converting Colors

$Y_{xy}(22.0631, 0.2095, 0.2320)$

Have a look what the booklet for
Yxy(22.0631, 0.2095, 0.2320)
contains.

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Color

$\text{Yxy}(22.0333, 0.2097, 0.2319)$

Conversions

Conversions Part 1

Format	Color
Hex	3A87C0
RGB	58, 135, 192
RGB Percent	23%, 53%, 75%
CMY	0.7722, 0.4706, 0.2472
CMYK	0.70, 0.30, 0.00, 0.25
HSL	206°, 54%, 49%
HSV	206°, 70%, 75%
XYZ	19.9240, 22.0333, 53.0547
YIQ	118.4750, -64.1890, 1.4030

Conversions

Conversions Part 2

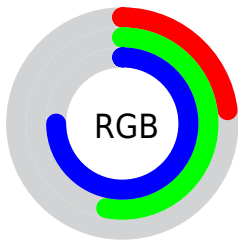
Format	Color
R_{YB}	58, 107, 192
Decimal	3835840
CIE _{Lab}	54.06, -4.97, -36.58
CIE _{LCh}	54, 36.920, 262.256
Yxy	22.0333, 0.2097, 0.2319
Android (android.graphics.Color)	4282025920 (0xFF3A87C0)
YUV	118.4750, 36.2478, -53.0366
Hunter-Lab	46.9396, -6.3781, -34.1563

Details

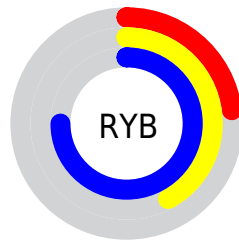
The Yxy color **22.0333, 0.2097, 0.2319** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **23.7837, 0.4811, 0.3996**, and the grayscale version is **18.1795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7991, 0.2302, 0.2516**, and **8.4906, 0.1899, 0.2037** is the 20% darker color. If you saturate the color by 10%, you get **19.3683, 0.1992, 0.2154**, and if you desaturate by 10%, it is **25.0892, 0.2221, 0.2483**.

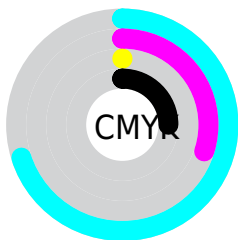
Distribution



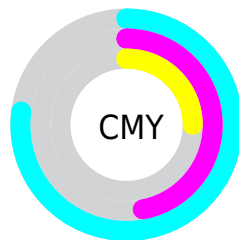
- Red (23%)
- Green (53%)
- Blue (75%)



- Red (23%)
- Yellow (42%)
- Blue (75%)



- Cyan (70%)
- Magenta (30%)
- Yellow (0%)
- Black (25%)



- Cyan (77%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0333, 0.2097, 0.2319 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 22.0333, 0.2097, 0.2319 by changing the saturation by 10% instead.

■ 22.0333, 0.2097,
0.2319

■ 22.0333, 0.2097,
0.2319

262.7201, 0.2648,
0.2848

■ 13.8814, 0.1951,
0.2176

■ 46.8010, 0.2304,
0.2520

■ 8.0382, 0.1762,
0.1988

■ 64.1856, 0.2380,
0.2593

■ 4.1194, 0.1510,
0.1734

■ 85.4165, 0.2444,
0.2653

■ 1.7406, 0.1166,
0.1379

■ 110.8782, 0.2497,
0.2705

■ 0.4497, 0.0540,
0.0794

■ 140.9550, 0.2543,
0.2748

■ 0.0000, 0.0000,
0.0000

176.0313, 0.2583,

0.2786

216.4916, 0.2618,
0.2819

■ 22.0333, 0.2097,
0.2319

■ 22.0333, 0.2097,
0.2319

■ 19.3683, 0.1992,
0.2154

■ 25.0892, 0.2221,
0.2483

■ 17.0629, 0.1908,
0.1991

■ 28.5590, 0.2360,
0.2642

■ 15.0659, 0.1843,
0.1833

■ 32.4658, 0.2509,
0.2794

■ 15.0171, 0.1842,
0.1829

■ 36.8300, 0.2664,
0.2936

■ 41.6707, 0.2822,
0.3066

■ 47.0054, 0.2978,
0.3185

■ 52.8507, 0.3131,
0.3293

■ 59.2223, 0.3278,
0.3388

■ 66.1354, 0.3419,
0.3473

Harmonies

Analogous

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



22.0333, 0.1962, 0.2606



22.0333, 0.2097, 0.2319



22.0333, 0.2481, 0.2279

Triad

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



22.0333, 0.2097, 0.2319



22.0333, 0.4279, 0.3264



22.0333, 0.3065, 0.4375

Complementary

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



22.0333, 0.2097, 0.2319



23.7837, 0.4811, 0.3996

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.



22.0333, 0.3704, 0.4492



22.0333, 0.2097, 0.2319



22.0333, 0.4445, 0.3766

Square

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



22.0333, 0.2097, 0.2319



22.0333, 0.3754, 0.2802



22.0333, 0.4217, 0.4225



22.0333, 0.2477, 0.3839

Rectangle

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



22.0333, 0.2097, 0.2319



22.0333, 0.2860, 0.2374



22.0333, 0.4217, 0.4225



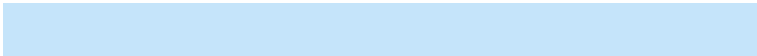
22.0333, 0.3281, 0.4466

Sweetspot

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



22.0341, 0.2097, 0.2319



74.0728, 0.2797, 0.3046



39.8007, 0.2755, 0.4642



15.3568, 0.2753, 0.3011



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.



22.0341, 0.2097, 0.2319



32.6877, 0.1942, 0.2062



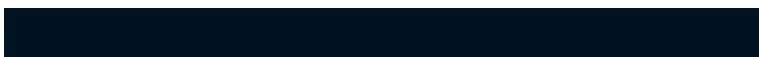
8.9927, 0.1829, 0.1227



10.6871, 0.2984, 0.3190



10.2652, 0.1847, 0.1849



0.5779, 0.1945, 0.2203

Inverse Universe

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



15.9866, 0.4052, 0.2345



24.3802, 0.4362, 0.2285



44.4812, 0.4147, 0.4732



10.1727, 0.3201, 0.3159



8.3185, 0.4627, 0.2323



0.3730, 0.4229, 0.2103

Previews

White Background



This preview shows how the Yxy color 22.0333, 0.2097, 0.2319 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 22.0333, 0.2097, 0.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

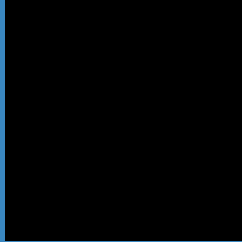
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

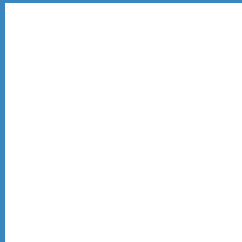
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0333, 0.2097, 0.2319

Background



This preview shows how black text looks on a background with the Yxy color 22.0333, 0.2097, 0.2319.

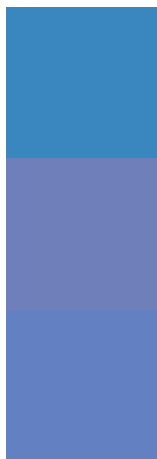


This preview shows how white text looks on a background with the Yxy color 22.0333, 0.2097, 0.2319.

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

22.0333, 0.2097, 0.2319

Protanopia

21.9965, 0.2430, 0.2347

Deuteranopia

21.9301, 0.2283, 0.2226



Tritanopia

21.9403, 0.2227, 0.3051

Trichromacy



Original Color

22.0333, 0.2097, 0.2319

Protanomaly

21.8203, 0.2277, 0.2325

Deuteranomaly

21.9219, 0.2202, 0.2265

Tritanomaly

21.7435, 0.2167, 0.2743

Monochromacy



Original Color

22.0333, 0.2097, 0.2319

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9464, 0.2612, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0333, 0.2097, 0.2319 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, 135, 192)` looks like.

```
.text, #text, p{  
    color:rgb(58, 135, 192)  
}
```

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, 135, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 135, 192) }
```

Border

The CSS property to change the border of an element to Yxy 22.0333, 0.2097, 0.2319 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, 135, 192) }
```

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

```
.border{ border-color:rgb(58, 135, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 135, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 135, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 135, 192);  
box-shadow:4px 4px 4px 4px rgb(58, 135,  
192) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.0333, 0.2097, 0.2319$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 135, 192) }
```

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

```
.background{ background-color: rgb(58, 135,  
192) }
```

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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