

Converting Colors

$Y_{xy}(19.3103, 0.2063, 0.2064)$

Have a look what the booklet for
Yxy(19.3103, 0.2063, 0.2064)
contains.

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Color

Yxy(19.3097, 0.2063, 0.2064)

Conversions

Conversions Part 1

Format	Color
Hex	427BC4
RGB	66, 123, 196
RGB Percent	26%, 48%, 77%
CMY	0.7407, 0.5177, 0.2313
CMYK	0.66, 0.37, 0.00, 0.23
HSL	214°, 52%, 51%
HSV	214°, 66%, 77%
XYZ	19.3003, 19.3097, 54.9447
YIQ	114.2790, -57.4050, 10.6190

Conversions

Conversions Part 2

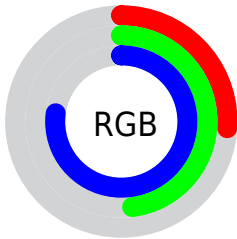
Format	Color
R _Y B	66, 106, 196
Decimal	4357060
CIE Lab	51.05, 4.89, -43.63
CIE LCh	51, 43.901, 276.392
Yxy	19.3097, 0.2063, 0.2064
Android (android.graphics.Color)	4282547140 (0xFF427BC4)
YUV	114.2790, 40.2885, -42.3407
Hunter-Lab	43.9428, 1.5000, -43.3744

Details

The Yxy color **19.3097, 0.2063, 0.2064** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **30.6405, 0.4522, 0.4198**, and the grayscale version is **16.8131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1874, 0.2280, 0.2309**, and **6.9851, 0.1807, 0.1706** is the 20% darker color. If you saturate the color by 10%, you get **16.1593, 0.1931, 0.1846**, and if you desaturate by 10%, it is **23.0025, 0.2212, 0.2282**.

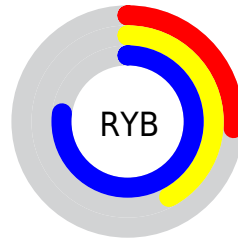
Distribution



Red (26%)

Green (48%)

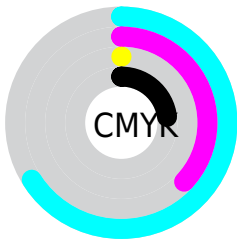
Blue (77%)



Red (26%)

Yellow (42%)

Blue (77%)

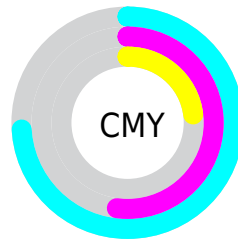


Cyan (66%)

Magenta (37%)

Yellow (0%)

Black (23%)



Cyan (74%)

Magenta (52%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3097, 0.2063, 0.2064 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 19.3097, 0.2063, 0.2064 by changing the saturation by 10% instead.

■ 19.3097, 0.2063,
0.2064

■ 19.3097, 0.2063,
0.2064

■ 248.1532, 0.2642,
0.2721

■ 11.8943, 0.1908,
0.1893

■ 42.2568, 0.2282,
0.2310

■ 6.6717, 0.1707,
0.1672

■ 58.5572, 0.2362,
0.2400

■ 3.2577, 0.1439,
0.1383

■ 78.5881, 0.2429,
0.2476

■ 1.2677, 0.1078,
0.1003

■ 102.7338, 0.2485,
0.2540

■ 0.1160, 0.0407,
0.0205

■ 131.3788, 0.2533,
0.2595

■ 0.0000, 0.0000,
0.0000

164.9074, 0.2574,

0.2642

203.7041, 0.2610,
0.2684

■ 19.3097, 0.2063,
0.2064

■ 19.3097, 0.2063,
0.2064

■ 16.1593, 0.1931,
0.1846

■ 23.0025, 0.2212,
0.2282

■ 13.5144, 0.1823,
0.1636

■ 27.2670, 0.2374,
0.2493

■ 11.3328, 0.1741,
0.1439

■ 32.1320, 0.2541,
0.2694

■ 10.6123, 0.1714,
0.1370

■ 37.6237, 0.2709,
0.2880

■ 43.7665, 0.2873,
0.3050

■ 50.5831, 0.3032,
0.3203

■ 58.0954, 0.3182,
0.3339

■ 66.3239, 0.3323,
0.3460

■ 75.2883, 0.3454,
0.3566

Harmonies

Analogous

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



19.3097, 0.1768, 0.2245



19.3097, 0.2063, 0.2064



19.3097, 0.2645, 0.2148

Triad

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



19.3097, 0.2063, 0.2064



19.3097, 0.4715, 0.3509



19.3097, 0.2671, 0.4405

Complementary

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



19.3097, 0.2063, 0.2064



30.6405, 0.4522, 0.4198

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.



19.3097, 0.3441, 0.4807



19.3097, 0.2063, 0.2064



19.3097, 0.4657, 0.4104

Square

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



19.3097, 0.2063, 0.2064



19.3097, 0.4255, 0.2936



19.3097, 0.4170, 0.4617



19.3097, 0.2067, 0.3553

Rectangle

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



19.3097, 0.2063, 0.2064



19.3097, 0.3168, 0.2332



19.3097, 0.4170, 0.4617



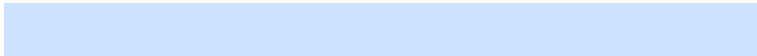
19.3097, 0.2919, 0.4609

Sweetspot

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



19.3103, 0.2063, 0.2064



74.6282, 0.2808, 0.2983



42.4723, 0.2663, 0.4260



15.2972, 0.2760, 0.2934



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.



19.3103, 0.2063, 0.2064



26.7704, 0.1874, 0.1740



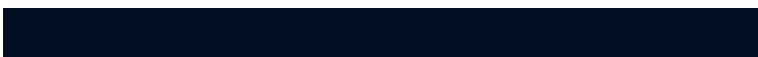
9.2971, 0.1896, 0.1204



10.4573, 0.2984, 0.3157



6.9827, 0.1721, 0.1395



0.4387, 0.1843, 0.1835

Inverse Universe

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



17.0774, 0.4293, 0.2591



25.5302, 0.4714, 0.2551



50.7684, 0.3971, 0.4818



10.1495, 0.3222, 0.3190



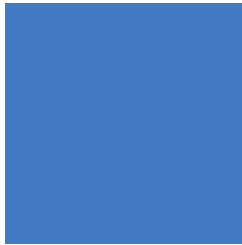
7.9871, 0.5197, 0.2637



0.3589, 0.4644, 0.2332

Previews

White Background



This preview shows how the Yxy color 19.3097, 0.2063, 0.2064 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 19.3097, 0.2063, 0.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

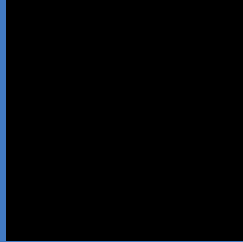
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3097, 0.2063, 0.2064

Background



This preview shows how black text looks on a background with the Yxy color 19.3097, 0.2063, 0.2064.



This preview shows how white text looks on a background with the Yxy color 19.3097, 0.2063, 0.2064.

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

19.3097, 0.2063, 0.2064

Protanopia

19.3266, 0.2231, 0.2090

Deuteranopia

19.1561, 0.2102, 0.2043



Tritanopia

19.3871, 0.2253, 0.3080

Trichromacy



Original Color

19.3097, 0.2063, 0.2064

Protanomaly

19.1222, 0.2161, 0.2076

Deuteranomaly

19.2823, 0.2089, 0.2056

Tritanomaly

19.1675, 0.2166, 0.2649

Monochromacy



Original Color

19.3097, 0.2063, 0.2064

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.2776, 0.2614, 0.2766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3097, 0.2063, 0.2064 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(66, 123, 196)` looks like.

```
.text, #text, p{  
    color:rgb(66, 123, 196)  
}
```

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(66, 123, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 123, 196) }
```

Border

The CSS property to change the border of an element to Yxy 19.3097, 0.2063, 0.2064 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(66, 123, 196) }
```

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

```
.border{ border-color:rgb(66, 123, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 123, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 123, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 123, 196);  
box-shadow:4px 4px 4px 4px rgb(66, 123,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3097, 0.2063, 0.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 123, 196) }
```

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

```
.background{ background-color: rgb(66, 123,  
196) }
```

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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