

Converting Colors

$Y_{xy}(19.1041, 0.2216, 0.2199)$

Have a look what the booklet for
Yxy(19.1041, 0.2216, 0.2199)
contains.

Yxy(19.0623, 0.2216, 0.2194)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.0623, 0.2216, 0.2194)

Conversions

Conversions Part 1

Format	Color
Hex	5479B9
RGB	84, 121, 185
RGB Percent	33%, 47%, 73%
CMY	0.6704, 0.5255, 0.2745
CMYK	0.55, 0.35, 0.00, 0.27
HSL	218°, 42%, 53%
HSV	218°, 55%, 73%
XYZ	19.2534, 19.0623, 48.5680
YIQ	117.2330, -42.5960, 12.0600

Conversions

Conversions Part 2

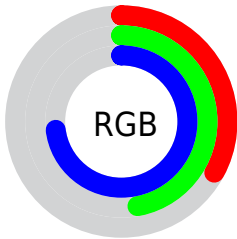
Format	Color
R _Y B	84, 111, 185
Decimal	5536185
CIE Lab	50.76, 5.89, -37.71
CIE LCh	51, 38.167, 278.876
Yxy	19.0623, 0.2216, 0.2194
Android (android.graphics.Color)	4283726265 (0xFF5479B9)
YUV	117.2330, 33.4091, -29.1453
Hunter-Lab	43.6604, 2.3096, -35.3922

Details

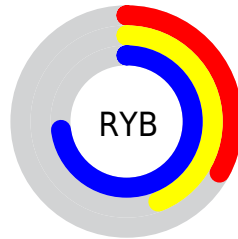
The Yxy color **19.0623, 0.2216, 0.2194** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **32.1531, 0.4169, 0.4161**, and the grayscale version is **17.7722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8135, 0.2413, 0.2423**, and **6.5525, 0.1896, 0.1835** is the 20% darker color. If you saturate the color by 10%, you get **15.6391, 0.2055, 0.1951**, and if you desaturate by 10%, it is **23.0590, 0.2387, 0.2431**.

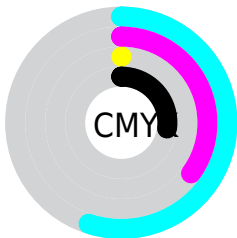
Distribution



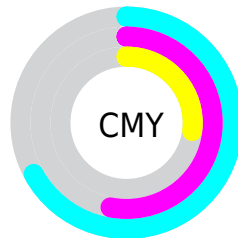
- Red (33%)
- Green (47%)
- Blue (73%)



- Red (33%)
- Yellow (44%)
- Blue (73%)



- Cyan (55%)
- Magenta (35%)
- Yellow (0%)
- Black (27%)



- Cyan (67%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0623, 0.2216, 0.2194 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 19.0623, 0.2216, 0.2194 by changing the saturation by 10% instead.

■ 19.0623, 0.2216,
0.2194

■ 19.0623, 0.2216,
0.2194

246.7925, 0.2720,
0.2788

■ 11.7153, 0.2077,
0.2034

■ 41.8393, 0.2410,
0.2419

■ 6.5501, 0.1891,
0.1825

■ 58.0382, 0.2480,
0.2501

■ 3.1824, 0.1637,
0.1544

■ 77.9564, 0.2537,
0.2569

■ 1.2277, 0.1278,
0.1158

■ 101.9785, 0.2586,
0.2627

■ 0.0841, 0.0517,
0.0194

130.4887, 0.2627,
0.2676

■ 0.0000, 0.0000,
0.0000

163.8715, 0.2662,

0.2719

202.5113, 0.2693,
0.2756

■ 19.0623, 0.2216,
0.2194

■ 19.0623, 0.2216,
0.2194

■ 15.6391, 0.2055,
0.1951

■ 23.0590, 0.2387,
0.2431

■ 12.7568, 0.1910,
0.1709

■ 27.6551, 0.2562,
0.2655

■ 10.3821, 0.1790,
0.1479

■ 32.8772, 0.2734,
0.2862

■ 8.4755, 0.1698,
0.1270

■ 38.7495, 0.2901,
0.3050

■ 7.6026, 0.1657,
0.1166

■ 45.2949, 0.3058,
0.3219

■ 52.5351, 0.3206,
0.3369

■ 60.4907, 0.3342,
0.3501

■ 69.1816, 0.3467,
0.3617

■ 78.6265, 0.3581,
0.3719

Harmonies

Analogous

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



19.0623, 0.1924, 0.2345



19.0623, 0.2216, 0.2194



19.0623, 0.2760, 0.2285

Triad

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



19.0623, 0.2216, 0.2194



19.0623, 0.4531, 0.3550



19.0623, 0.2684, 0.4197

Complementary

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



19.0623, 0.2216, 0.2194



32.1531, 0.4169, 0.4161

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.



19.0623, 0.3364, 0.4594



19.0623, 0.2216, 0.2194



19.0623, 0.4459, 0.4078

Square

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



19.0623, 0.2216, 0.2194



19.0623, 0.4161, 0.3025



19.0623, 0.4016, 0.4496



19.0623, 0.2159, 0.3462

Rectangle

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



19.0623, 0.2216, 0.2194



19.0623, 0.3230, 0.2462



19.0623, 0.4016, 0.4496



19.0623, 0.2902, 0.4383

Sweetspot

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



19.0630, 0.2216, 0.2194



67.5362, 0.2873, 0.3020



38.7259, 0.2657, 0.3905



14.0856, 0.2840, 0.2982



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



19.0630, 0.2216, 0.2194



27.1792, 0.2032, 0.1915



12.4190, 0.2204, 0.1618



9.2433, 0.2985, 0.3141



5.3044, 0.1664, 0.1189



0.3069, 0.1814, 0.1732

Inverse Universe

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



18.0425, 0.4107, 0.2783



26.7178, 0.4445, 0.2712



44.0617, 0.3778, 0.4641



9.0651, 0.3232, 0.3207



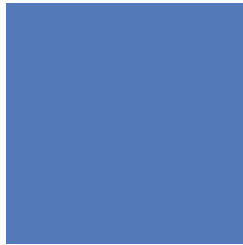
7.3178, 0.5482, 0.2794



0.2701, 0.4768, 0.2400

Previews

White Background



This preview shows how the Yxy color 19.0623, 0.2216, 0.2194 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 19.0623, 0.2216, 0.2194 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

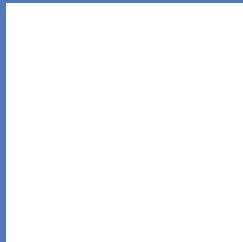
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.0623, 0.2216, 0.2194

Background



This preview shows how black text looks on a background with the Yxy color 19.0623, 0.2216, 0.2194.

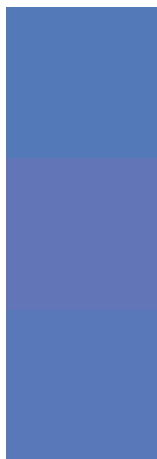


This preview shows how white text looks on a background with the Yxy color 19.0623, 0.2216, 0.2194.

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

19.0623, 0.2216, 0.2194

Protanopia

18.9724, 0.2321, 0.2195

Deuteranopia

19.0104, 0.2240, 0.2184



Tritanopia

19.0877, 0.2440, 0.3084

Trichromacy



Original Color

19.0623, 0.2216, 0.2194

Protanomaly

18.9815, 0.2279, 0.2189

Deuteranomaly

18.9620, 0.2233, 0.2182

Tritanomaly

19.0349, 0.2355, 0.2731

Monochromacy



Original Color

19.0623, 0.2216, 0.2194

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.9131, 0.2718, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0623, 0.2216, 0.2194 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(84, 121, 185)` looks like.

```
.text, #text, p{  
    color:rgb(84, 121, 185)  
}
```

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(84, 121, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 121, 185) }
```

Border

The CSS property to change the border of an element to Yxy 19.0623, 0.2216, 0.2194 is called "border". The border property can be set on classes, ids or directly on the HTML element.

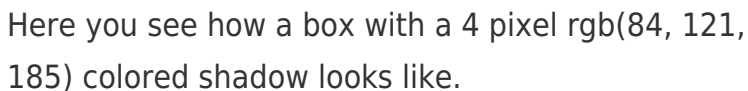
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 121, 185) }
```

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

```
.border{ border-color:rgb(84, 121, 185) }
```

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



Here you see how a box with a 4 pixel `rgb(84, 121, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 121, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 121, 185); box-shadow:4px 4px 4px 4px rgb(84, 121, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0623, 0.2216, 0.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 121, 185) }
```

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

```
.background{ background-color: rgb(84, 121,  
185) }
```

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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