

Converting Colors

$Y_{xy}(19.1272, 0.2281, 0.2217)$

Have a look what the booklet for
Yxy(19.1272, 0.2281, 0.2217)
contains.

Yxy(19.1272, 0.2281, 0.2217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.1272, 0.2281, 0.2217)

Conversions

Conversions Part 1

Format	Color
Hex	5C78B7
RGB	92, 120, 183
RGB Percent	36%, 47%, 72%
CMY	0.6392, 0.5294, 0.2822
CMYK	0.50, 0.34, 0.00, 0.28
HSL	222°, 39%, 54%
HSV	222°, 50%, 72%
XYZ	19.6794, 19.1272, 47.4686
YIQ	118.8100, -36.9110, 13.6570

Conversions

Conversions Part 2

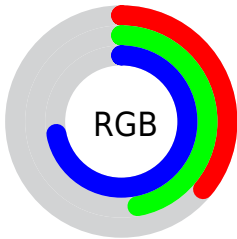
Format	Color
R _Y B	92, 113, 183
Decimal	6060215
CIE Lab	50.84, 7.71, -36.42
CIE LCh	51, 37.225, 281.957
Yxy	19.1272, 0.2281, 0.2217
Android (android.graphics.Color)	4284250295 (0xFF5C78B7)
YUV	118.8100, 31.6457, -23.5124
Hunter-Lab	43.7347, 3.7843, -33.7377

Details

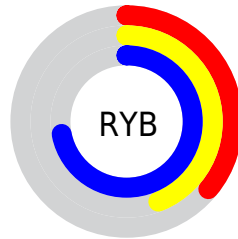
The Yxy color **19.1272, 0.2281, 0.2217** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.2961, 0.4024, 0.4158**, and the grayscale version is **18.2922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9401, 0.2466, 0.2441**, and **6.6038, 0.1974, 0.1852** is the 20% darker color. If you saturate the color by 10%, you get **15.4472, 0.2106, 0.1955**, and if you desaturate by 10%, it is **23.4398, 0.2461, 0.2470**.

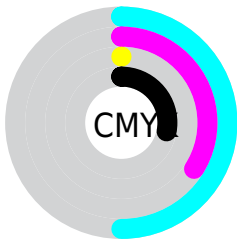
Distribution



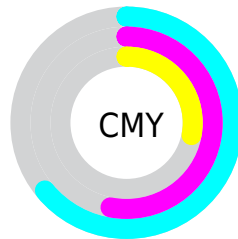
- Red (36%)
- Green (47%)
- Blue (72%)



- Red (36%)
- Yellow (44%)
- Blue (72%)



- Cyan (50%)
- Magenta (34%)
- Yellow (0%)
- Black (28%)



- Cyan (64%)
- Magenta (53%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1272, 0.2281, 0.2217 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 19.1272, 0.2281, 0.2217 by changing the saturation by 10% instead.

■ 19.1272, 0.2281,
0.2217

■ 19.1272, 0.2281,
0.2217

■ 247.1501, 0.2751,
0.2798

■ 11.7622, 0.2149,
0.2061

■ 41.9489, 0.2463,
0.2437

■ 6.5820, 0.1973,
0.1855

■ 58.1745, 0.2528,
0.2518

■ 3.2021, 0.1729,
0.1578

■ 78.1223, 0.2582,
0.2584

■ 1.2381, 0.1379,
0.1195

■ 102.1769, 0.2627,
0.2640

■ 0.0925, 0.0660,
0.0221

■ 130.7225, 0.2665,
0.2688

■ 0.0000, 0.0000,
0.0000

164.1437, 0.2698,

0.2730

202.8247, 0.2726,
0.2766

■ 19.1272, 0.2281,
0.2217

■ 19.1272, 0.2281,
0.2217

■ 15.4472, 0.2106,
0.1955

■ 23.4398, 0.2461,
0.2470

■ 12.3652, 0.1946,
0.1693

■ 28.4128, 0.2641,
0.2707

■ 9.8463, 0.1807,
0.1443

■ 34.0746, 0.2814,
0.2924

■ 7.8502, 0.1698,
0.1216

■ 40.4516, 0.2978,
0.3120

■ 6.3131, 0.1618,
0.1021

■ 47.5683, 0.3131,
0.3294

■ 6.2768, 0.1616,
0.1016

■ 55.4483, 0.3272,
0.3448

■ 64.1140, 0.3400,
0.3583

■ 73.5869, 0.3516,
0.3701

■ 83.5589, 0.3609,
0.3806

Harmonies

Analogous

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



19.1272, 0.1968, 0.2340



19.1272, 0.2281, 0.2217



19.1272, 0.2837, 0.2328

Triad

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



19.1272, 0.2281, 0.2217



19.1272, 0.4508, 0.3602



19.1272, 0.2634, 0.4107

Complementary

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



19.1272, 0.2281, 0.2217



34.2961, 0.4024, 0.4158

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.



19.1272, 0.3291, 0.4541



19.1272, 0.2281, 0.2217



19.1272, 0.4398, 0.4113

Square

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



19.1272, 0.2281, 0.2217



19.1272, 0.4189, 0.3084



19.1272, 0.3939, 0.4495



19.1272, 0.2144, 0.3383

Rectangle

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



19.1272, 0.2281, 0.2217



19.1272, 0.3303, 0.2514



19.1272, 0.3939, 0.4495



19.1272, 0.2843, 0.4301

Sweetspot

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



19.1279, 0.2281, 0.2217



65.9675, 0.2889, 0.3015



38.4932, 0.2658, 0.3761



14.0498, 0.2854, 0.2973



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.



19.1279, 0.2281, 0.2217



26.9050, 0.2085, 0.1922



14.3062, 0.2344, 0.1799



9.1580, 0.2985, 0.3127



4.4861, 0.1622, 0.1037



0.2714, 0.1773, 0.1584

Inverse Universe

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



19.0812, 0.4061, 0.2897



28.0427, 0.4407, 0.2829



42.7943, 0.3687, 0.4552



9.0565, 0.3241, 0.3220



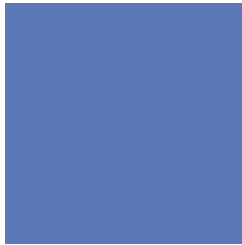
7.2352, 0.5703, 0.2915



0.2665, 0.4951, 0.2501

Previews

White Background



This preview shows how the Yxy color 19.1272, 0.2281, 0.2217 looks on a white background.

Color Contrast Check

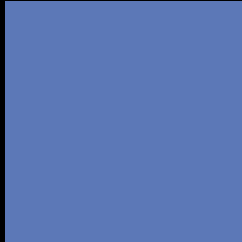
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1272, 0.2281, 0.2217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

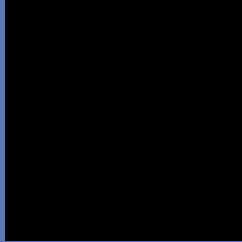
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

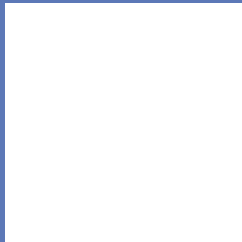
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.1272, 0.2281, 0.2217

Background



This preview shows how black text looks on a background with the Yxy color 19.1272, 0.2281, 0.2217.

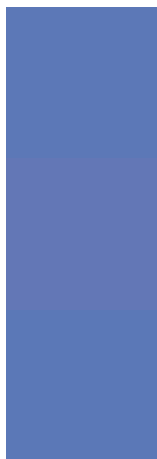


This preview shows how white text looks on a background with the Yxy color 19.1272, 0.2281, 0.2217.

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

19.1272, 0.2281, 0.2217

Protanopia

19.2237, 0.2339, 0.2227

Deuteranopia

19.0760, 0.2274, 0.2215



Tritanopia

19.1843, 0.2519, 0.3087

Trichromacy



Original Color

19.1272, 0.2281, 0.2217

Protanomaly

19.0578, 0.2315, 0.2221

Deuteranomaly

19.0760, 0.2274, 0.2215

Tritanomaly

19.1273, 0.2425, 0.2737

Monochromacy



Original Color

19.1272, 0.2281, 0.2217

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3979, 0.2762, 0.2857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1272, 0.2281, 0.2217 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(92, 120, 183)` looks like.

```
.text, #text, p{  
    color:rgb(92, 120, 183)  
}
```

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(92, 120, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 120, 183) }
```

Border

The CSS property to change the border of an element to Yxy 19.1272, 0.2281, 0.2217 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(92, 120, 183) }
```

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

```
.border{ border-color:rgb(92, 120, 183) }
```

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

Here you see how a box with a 4 pixel rgb(92, 120, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 120, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 120, 183);  
box-shadow:4px 4px 4px 4px rgb(92, 120,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1272, 0.2281, 0.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 120, 183) }
```

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

```
.background{ background-color: rgb(92, 120,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor