

Converting Colors

$Y_{xy}(19.4262, 0.2403, 0.2684)$

Have a look what the booklet for
Yxy(19.4262, 0.2403, 0.2684)
contains.

Yxy(19.5668, 0.2407, 0.2690)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.5668, 0.2407, 0.2690)

Conversions

Conversions Part 1

Format	Color
Hex	547F9F
RGB	84, 127, 159
RGB Percent	33%, 50%, 62%
CMY	0.6704, 0.5020, 0.3764
CMYK	0.47, 0.20, 0.00, 0.38
HSL	206°, 31%, 48%
HSV	206°, 47%, 62%
XYZ	17.5083, 19.5668, 35.6639
YIQ	117.7910, -35.9000, 0.8360

Conversions

Conversions Part 2

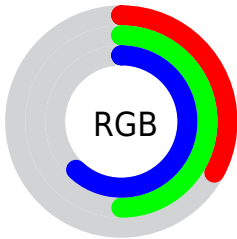
Format	Color
R _Y B	84, 111, 159
Decimal	5537695
CIE Lab	51.34, -5.78, -21.75
CIE LCh	51, 22.510, 255.116
Yxy	19.5668, 0.2407, 0.2690
Android (android.graphics.Color)	4283727775 (0xFF547F9F)
YUV	117.7910, 20.3160, -29.6347
Hunter-Lab	44.2344, -6.7586, -16.8385

Details

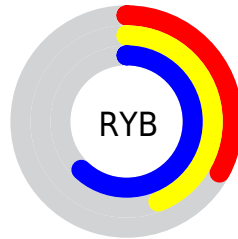
The Yxy color **19.5668, 0.2407, 0.2690** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **20.5241, 0.4113, 0.3810**, and the grayscale version is **17.9957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8159, 0.2561, 0.2827**, and **6.7715, 0.2135, 0.2457** is the 20% darker color. If you saturate the color by 10%, you get **17.2185, 0.2266, 0.2535**, and if you desaturate by 10%, it is **22.2015, 0.2557, 0.2837**.

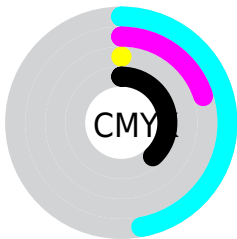
Distribution



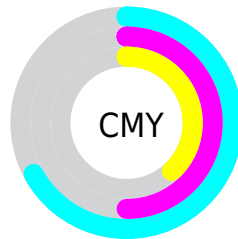
- Red (33%)
- Green (50%)
- Blue (62%)



- Red (33%)
- Yellow (44%)
- Blue (62%)



- Cyan (47%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (67%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5668, 0.2407, 0.2690 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 19.5668, 0.2407, 0.2690 by changing the saturation by 10% instead.

■ 19.5668, 0.2407,
0.2690

■ 19.5668, 0.2407,
0.2690

■ 249.5602, 0.2808,
0.3031

■ 12.0805, 0.2292,
0.2589

■ 42.6897, 0.2563,
0.2825

■ 6.7986, 0.2135,
0.2449

■ 59.0951, 0.2619,
0.2873

■ 3.3364, 0.1910,
0.2243

■ 79.2424, 0.2665,
0.2911

■ 1.3098, 0.1567,
0.1917

■ 103.5159, 0.2703,
0.2943

■ 0.1488, 0.0001,
0.0735

■ 132.3000, 0.2735,
0.2971

■ 0.0000, 0.0000,
0.0000

165.9792, 0.2763,

0.2994

204.9378, 0.2787,
0.3014

■ 19.5668, 0.2407,
0.2690

■ 19.5668, 0.2407,
0.2690

■ 17.2185, 0.2266,
0.2535

■ 22.2015, 0.2557,
0.2837

■ 15.1408, 0.2138,
0.2373

■ 25.1331, 0.2711,
0.2975

■ 13.3191, 0.2027,
0.2210

■ 28.3739, 0.2866,
0.3101

■ 11.7360, 0.1936,
0.2047

■ 31.9349, 0.3020,
0.3215

■ 10.3653, 0.1865,
0.1889

■ 35.8266, 0.3169,
0.3318

■ 9.9995, 0.1846,
0.1844

■ 40.0586, 0.3313,
0.3410

■ 44.6404, 0.3450,
0.3492

■ 49.5809, 0.3579,
0.3564

■ 54.8887, 0.3700,
0.3627

Harmonies

Analogous

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



19.5668, 0.2358, 0.2937



19.5668, 0.2407, 0.2690



19.5668, 0.2635, 0.2610

Triad

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



19.5668, 0.2407, 0.2690



19.5668, 0.3793, 0.3213



19.5668, 0.3206, 0.3996

Complementary

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



19.5668, 0.2407, 0.2690



20.5241, 0.4113, 0.3810

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.



19.5668, 0.3607, 0.4034



19.5668, 0.2407, 0.2690



19.5668, 0.3963, 0.3553

Square

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



19.5668, 0.2407, 0.2690



19.5668, 0.3432, 0.2907



19.5668, 0.3889, 0.3857



19.5668, 0.2801, 0.3722

Rectangle

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



19.5668, 0.2407, 0.2690



19.5668, 0.2869, 0.2648



19.5668, 0.3889, 0.3857



19.5668, 0.3346, 0.4036

Sweetspot

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



19.5675, 0.2407, 0.2690



52.5751, 0.2911, 0.3135



27.9352, 0.2828, 0.4120



11.5675, 0.2879, 0.3111



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



19.5675, 0.2407, 0.2690



30.4579, 0.2253, 0.2520



11.7544, 0.2278, 0.1968



7.0342, 0.2988, 0.3192



7.9797, 0.1850, 0.1858



0.2256, 0.2025, 0.2489

Inverse Universe

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



15.2541, 0.3645, 0.2609



22.7236, 0.3824, 0.2470



30.7224, 0.3846, 0.4335



6.7066, 0.3199, 0.3163



6.4278, 0.4617, 0.2317



0.1233, 0.3933, 0.1940

Previews

White Background



This preview shows how the Yxy color 19.5668, 0.2407, 0.2690 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 19.5668, 0.2407, 0.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

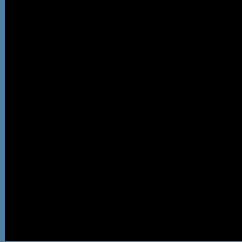
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

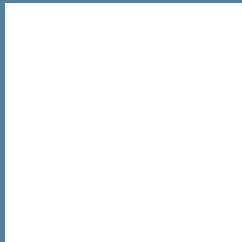
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.5668, 0.2407, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 19.5668, 0.2407, 0.2690.

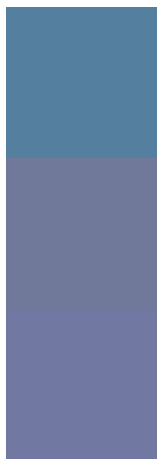


This preview shows how white text looks on a background with the Yxy color 19.5668, 0.2407, 0.2690.

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

19.5668, 0.2407, 0.2690

Protanopia

19.5185, 0.2694, 0.2699

Deuteranopia

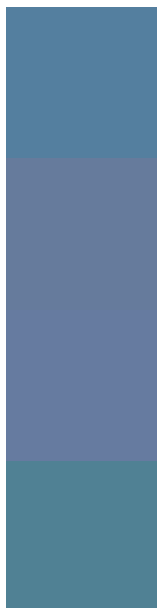
19.5169, 0.2629, 0.2571



Tritanopia

19.5081, 0.2506, 0.3069

Trichromacy



Original Color

19.5668, 0.2407, 0.2690

Protanomaly

19.3910, 0.2572, 0.2687

Deuteranomaly

19.5288, 0.2539, 0.2622

Tritanomaly

19.5441, 0.2464, 0.2918

Monochromacy



Original Color

19.5668, 0.2407, 0.2690

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.4324, 0.2822, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5668, 0.2407, 0.2690 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, 127, 159)` looks like.

```
.text, #text, p{  
    color:rgb(84, 127, 159)  
}
```

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, 127, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 127, 159) }
```

Border

The CSS property to change the border of an element to Yxy 19.5668, 0.2407, 0.2690 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, 127, 159) }
```

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

```
.border{ border-color:rgb(84, 127, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 127, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 127, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 127, 159);  
box-shadow:4px 4px 4px 4px rgb(84, 127,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5668, 0.2407, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 127, 159) }
```

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

```
.background{ background-color: rgb(84, 127,  
159) }
```

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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