

Converting Colors

$Y_{xy}(19.2686, 0.2288, 0.2595)$

Have a look what the booklet for
Yxy(19.2686, 0.2288, 0.2595)
contains.

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Color

Yxy(19.2368, 0.2288, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	487FA4
RGB	72, 127, 164
RGB Percent	28%, 50%, 64%
CMY	0.7177, 0.5019, 0.3569
CMYK	0.56, 0.23, 0.00, 0.36
HSL	204°, 39%, 46%
HSV	204°, 56%, 64%
XYZ	16.9610, 19.2368, 37.9324
YIQ	114.7730, -44.6570, -0.1530

Conversions

Conversions Part 2

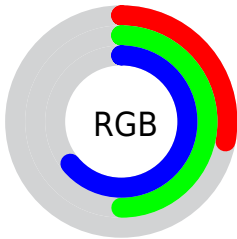
Format	Color
RYB	72, 106, 164
Decimal	4751268
CIELab	50.96, -7.14, -25.27
CIElCh	51, 26.263, 254.232
Yxy	19.2368, 0.2288, 0.2595
Android (android.graphics.Color)	4282941348 (0xFF487FA4)
YUV	114.7730, 24.2689, -37.5119
Hunter-Lab	43.8598, -7.7269, -20.5755

Details

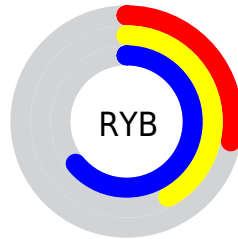
The Yxy color **19.2368, 0.2288, 0.2595** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **19.2904, 0.4395, 0.3864**, and the grayscale version is **17.0075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2690, 0.2469, 0.2757**, and **6.6186, 0.1977, 0.2316** is the 20% darker color. If you saturate the color by 10%, you get **17.0416, 0.2162, 0.2444**, and if you desaturate by 10%, it is **21.7129, 0.2427, 0.2740**.

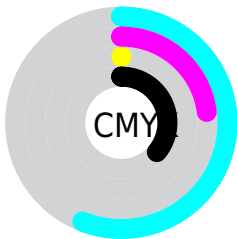
Distribution



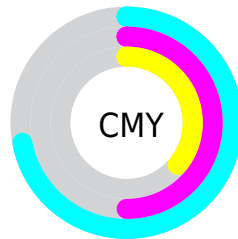
- Red (28%)
- Green (50%)
- Blue (64%)



- Red (28%)
- Yellow (42%)
- Blue (64%)



- Cyan (56%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (72%)
- Magenta (50%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2368, 0.2288, 0.2595 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 19.2368, 0.2288, 0.2595 by changing the saturation by 10% instead.

■ 19.2368, 0.2288,
0.2595

■ 19.2368, 0.2288,
0.2595

■ 247.7529, 0.2753,
0.2990

■ 11.8415, 0.2156,
0.2479

■ 42.1339, 0.2468,
0.2751

■ 6.6358, 0.1979,
0.2318

■ 58.4044, 0.2533,
0.2806

■ 3.2354, 0.1728,
0.2086

■ 78.4022, 0.2586,
0.2851

■ 1.2558, 0.1357,
0.1727

■ 102.5115, 0.2630,
0.2888

■ 0.1066, 0.0000,
0.0461

■ 131.1169, 0.2668,
0.2920

■ 0.0000, 0.0000,
0.0000

164.6027, 0.2700,

0.2947

203.3532, 0.2729,
0.2970

■ 19.2368, 0.2288,
0.2595

■ 19.2368, 0.2288,
0.2595

■ 17.0416, 0.2162,
0.2444

■ 21.7129, 0.2427,
0.2740

■ 15.1094, 0.2053,
0.2290

■ 24.4821, 0.2575,
0.2878

■ 13.4229, 0.1963,
0.2137

■ 27.5580, 0.2728,
0.3006

■ 11.9582, 0.1894,
0.1987

■ 30.9530, 0.2882,
0.3123

■ 11.4269, 0.1869,
0.1929

■ 34.6782, 0.3036,
0.3230

■ 38.7444, 0.3185,
0.3326

■ 43.1618, 0.3329,
0.3412

■ 47.9400, 0.3467,
0.3488

■ 53.0884, 0.3597,
0.3555

Harmonies

Analogous

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



19.2368, 0.2237, 0.2882



19.2368, 0.2288, 0.2595



19.2368, 0.2542, 0.2503

Triad

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



19.2368, 0.2288, 0.2595



19.2368, 0.3899, 0.3184



19.2368, 0.3227, 0.4134

Complementary

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



19.2368, 0.2288, 0.2595



19.2904, 0.4395, 0.3864

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.



19.2368, 0.3695, 0.4160



19.2368, 0.2288, 0.2595



19.2368, 0.4107, 0.3575

Square

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



19.2368, 0.2288, 0.2595



19.2368, 0.3467, 0.2836



19.2368, 0.4024, 0.3935



19.2368, 0.2755, 0.3815

Rectangle

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



19.2368, 0.2288, 0.2595



19.2368, 0.2809, 0.2545



19.2368, 0.4024, 0.3935



19.2368, 0.3390, 0.4176

Sweetspot

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



19.2375, 0.2288, 0.2595



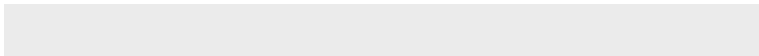
55.4109, 0.2864, 0.3110



29.0219, 0.2801, 0.4348



11.8542, 0.2835, 0.3088



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.2375, 0.2288, 0.2595



30.1411, 0.2137, 0.2411



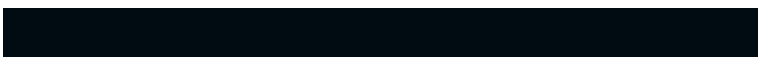
9.9714, 0.2101, 0.1699



7.5312, 0.2987, 0.3198



8.8587, 0.1873, 0.1943



0.2751, 0.2024, 0.2487

Inverse Universe

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



14.0575, 0.3752, 0.2459



21.2105, 0.3957, 0.2327



31.7294, 0.3985, 0.4490



7.1537, 0.3196, 0.3156



6.7384, 0.4518, 0.2262



0.1506, 0.3935, 0.1941

Previews

White Background



This preview shows how the Yxy color 19.2368, 0.2288, 0.2595 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 19.2368, 0.2288, 0.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

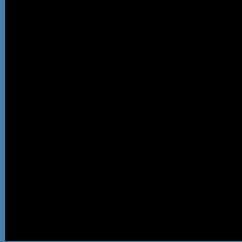
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

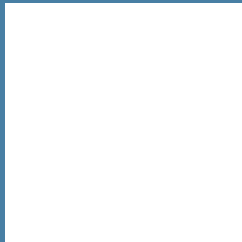
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.2368, 0.2288, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 19.2368, 0.2288, 0.2595.

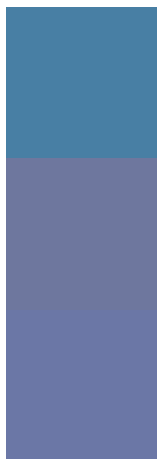


This preview shows how white text looks on a background with the Yxy color 19.2368, 0.2288, 0.2595.

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

19.2368, 0.2288, 0.2595

Protanopia

18.9773, 0.2624, 0.2593

Deuteranopia

19.0726, 0.2527, 0.2466



Tritanopia

19.2424, 0.2396, 0.3064

Trichromacy



Original Color

19.2368, 0.2288, 0.2595

Protanomaly

18.9439, 0.2482, 0.2594

Deuteranomaly

19.0154, 0.2427, 0.2513

Tritanomaly

19.3255, 0.2355, 0.2892

Monochromacy



Original Color

19.2368, 0.2288, 0.2595

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.5398, 0.2743, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2368, 0.2288, 0.2595 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(72, 127, 164)` looks like.

```
.text, #text, p{  
  color:rgb(72, 127, 164)  
}
```

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(72, 127, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 127, 164) }
```

Border

The CSS property to change the border of an element to Yxy 19.2368, 0.2288, 0.2595 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(72, 127, 164) }
```

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

```
.border{ border-color:rgb(72, 127, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 127, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 127, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 127, 164);  
box-shadow:4px 4px 4px 4px rgb(72, 127,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2368, 0.2288, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 127, 164) }
```

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

```
.background{ background-color: rgb(72, 127,  
164) }
```

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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