

Converting Colors

$Y_{xy}(19.8783, 0.2259, 0.2414)$

Have a look what the booklet for
Yxy(19.8783, 0.2259, 0.2414)
contains.

Yxy(19.9756, 0.2259, 0.2419)	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(19.9756, 0.2259, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	4F7FB0
RGB	79, 127, 176
RGB Percent	31%, 50%, 69%
CMY	0.6899, 0.5020, 0.3098
CMYK	0.55, 0.28, 0.00, 0.31
HSL	210°, 38%, 50%
HSV	210°, 55%, 69%
XYZ	18.6544, 19.9756, 43.9480
YIQ	118.2340, -44.3370, 5.0630

Conversions

Conversions Part 2

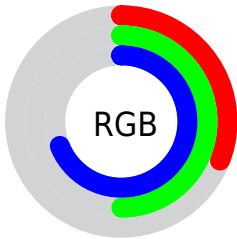
Format	Color
R_{YB}	79, 111, 176
Decimal	5210032
CIE _{Lab}	51.81, -1.71, -30.89
CIE _{LCh}	52, 30.939, 266.826
Yxy	19.9756, 0.2259, 0.2419
Android (android.graphics.Color)	4283400112 (0xFF4F7FB0)
YUV	118.2340, 28.4786, -34.4082
Hunter-Lab	44.6941, -3.7125, -27.0144

Details

The Yxy color **19.9756, 0.2259, 0.2419** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.2550, 0.4282, 0.3998**, and the grayscale version is **18.1182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5370, 0.2440, 0.2609**, and **6.9644, 0.1949, 0.2099** is the 20% darker color. If you saturate the color by 10%, you get **17.1203, 0.2116, 0.2226**, and if you desaturate by 10%, it is **23.2352, 0.2413, 0.2605**.

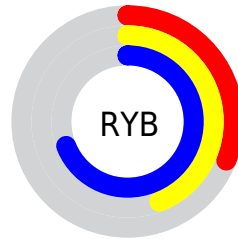
Distribution



Red (31%)

Green (50%)

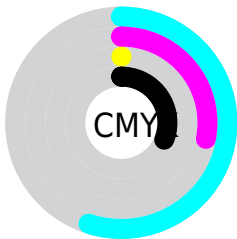
Blue (69%)



Red (31%)

Yellow (44%)

Blue (69%)

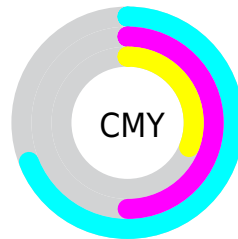


Cyan (55%)

Magenta (28%)

Yellow (0%)

Black (31%)



Cyan (69%)

Magenta (50%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9756, 0.2259, 0.2419 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 19.9756, 0.2259, 0.2419 by changing the saturation by 10% instead.

■ 19.9756, 0.2259,
0.2419

■ 19.9756, 0.2259,
0.2419

■ 251.7830, 0.2737,
0.2901

■ 12.3773, 0.2126,
0.2284

■ 43.3763, 0.2443,
0.2605

■ 7.0012, 0.1949,
0.2103

■ 59.9474, 0.2509,
0.2672

■ 3.4628, 0.1703,
0.1849

■ 80.2784, 0.2563,
0.2727

■ 1.3779, 0.1348,
0.1481

■ 104.7534, 0.2609,
0.2773

■ 0.2003, 0.0421,
0.0568

■ 133.7570, 0.2648,
0.2812

■ 0.0000, 0.0000,
0.0000

167.6736, 0.2682,

0.2846

206.8874, 0.2711,
0.2876

■ 19.9756, 0.2259,
0.2419

■ 19.9756, 0.2259,
0.2419

■ 17.1203, 0.2116,
0.2226

■ 23.2352, 0.2413,
0.2605

■ 14.6458, 0.1990,
0.2030

■ 26.9165, 0.2573,
0.2781

■ 12.5287, 0.1885,
0.1837

■ 31.0380, 0.2735,
0.2944

■ 10.7406, 0.1803,
0.1653

■ 35.6164, 0.2895,
0.3093

■ 9.9533, 0.1768,
0.1565

■ 40.6674, 0.3051,
0.3227

■ 46.2060, 0.3199,
0.3347

■ 52.2463, 0.3340,
0.3454

■ 58.8018, 0.3472,
0.3548

■ 65.8855, 0.3595,
0.3630

Harmonies

Analogous

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



19.9756, 0.2103, 0.2646



19.9756, 0.2259, 0.2419



19.9756, 0.2634, 0.2410

Triad

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



19.9756, 0.2259, 0.2419



19.9756, 0.4168, 0.3345



19.9756, 0.2997, 0.4166

Complementary

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



19.9756, 0.2259, 0.2419



25.2550, 0.4282, 0.3998

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.



19.9756, 0.3559, 0.4337



19.9756, 0.2259, 0.2419



19.9756, 0.4264, 0.3789

Square

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



19.9756, 0.2259, 0.2419



19.9756, 0.3754, 0.2922



19.9756, 0.4029, 0.4165



19.9756, 0.2498, 0.3674

Rectangle

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



19.9756, 0.2259, 0.2419



19.9756, 0.2984, 0.2511



19.9756, 0.4029, 0.4165



19.9756, 0.3185, 0.4265

Sweetspot

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



19.9763, 0.2259, 0.2419



62.6762, 0.2860, 0.3061



34.2633, 0.2740, 0.4150



13.2267, 0.2829, 0.3033



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



19.9763, 0.2259, 0.2419



30.0607, 0.2089, 0.2185



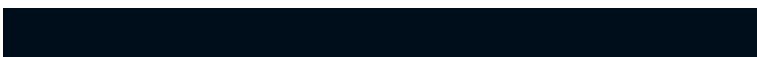
10.4016, 0.2082, 0.1561



8.9009, 0.2985, 0.3172



7.4195, 0.1773, 0.1583



0.3503, 0.1916, 0.2099

Inverse Universe

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



16.3642, 0.3904, 0.2604



24.4905, 0.4173, 0.2496



40.8478, 0.3909, 0.4582



8.5730, 0.3212, 0.3178



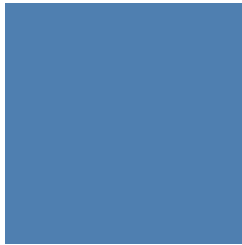
7.2891, 0.4952, 0.2502



0.2411, 0.4343, 0.2166

Previews

White Background



This preview shows how the Yxy color 19.9756, 0.2259, 0.2419 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 19.9756, 0.2259, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

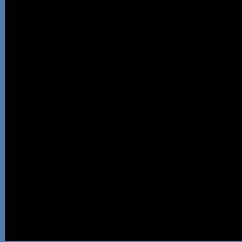
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9756, 0.2259, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 19.9756, 0.2259, 0.2419.

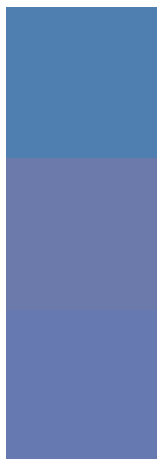


This preview shows how white text looks on a background with the Yxy color 19.9756, 0.2259, 0.2419.

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

19.9756, 0.2259, 0.2419

Protanopia

19.8032, 0.2501, 0.2431

Deuteranopia

19.9182, 0.2407, 0.2353



Tritanopia

19.9820, 0.2416, 0.3068

Trichromacy



Original Color

19.9756, 0.2259, 0.2419

Protanomaly

19.7244, 0.2397, 0.2417

Deuteranomaly

19.9693, 0.2349, 0.2373

Tritanomaly

19.9725, 0.2351, 0.2808

Monochromacy



Original Color

19.9756, 0.2259, 0.2419

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.4819, 0.2741, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9756, 0.2259, 0.2419 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(79, 127, 176)` looks like.

```
.text, #text, p{  
    color:rgb(79, 127, 176)  
}
```

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(79, 127, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 127, 176) }
```

Border

The CSS property to change the border of an element to Yxy 19.9756, 0.2259, 0.2419 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(79, 127, 176) }
```

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

```
.border{ border-color:rgb(79, 127, 176) }
```

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

Here you see how a box with a 4 pixel rgb(79, 127, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 127, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 127, 176);  
box-shadow:4px 4px 4px 4px rgb(79, 127,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9756, 0.2259, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 127, 176) }
```

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

```
.background{ background-color: rgb(79, 127,  
176) }
```

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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