

Converting Colors

$Y_{xy}(19.1216, 0.2193, 0.2352)$

Have a look what the booklet for
Yxy(19.1216, 0.2193, 0.2352)
contains.

Yxy(19.1811, 0.2195, 0.2356)	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(19.1811, 0.2195, 0.2356)

Conversions

Conversions Part 1

Format	Color
Hex	477DB1
RGB	71, 125, 177
RGB Percent	28%, 49%, 69%
CMY	0.7215, 0.5098, 0.3058
CMYK	0.60, 0.29, 0.00, 0.31
HSL	209°, 43%, 49%
HSV	209°, 60%, 69%
XYZ	17.8703, 19.1811, 44.3624
YIQ	114.7820, -48.8760, 4.7240

Conversions

Conversions Part 2

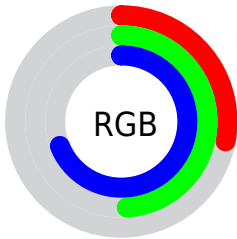
Format	Color
R_{YB}	71, 107, 177
Decimal	4685233
CIE _{Lab}	50.90, -1.91, -32.93
CIE _{LCh}	51, 32.982, 266.672
Yxy	19.1811, 0.2195, 0.2356
Android (android.graphics.Color)	4282875313 (0xFF477DB1)
YUV	114.7820, 30.6735, -38.3968
Hunter-Lab	43.7962, -3.8094, -29.3991

Details

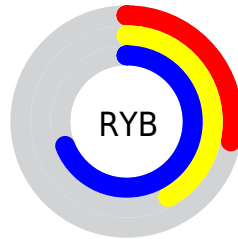
The Yxy color **19.1811, 0.2195, 0.2356** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.9820, 0.4427, 0.4027**, and the grayscale version is **16.9940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9167, 0.2393, 0.2550**, and **6.6241, 0.1893, 0.2015** is the 20% darker color. If you saturate the color by 10%, you get **16.5025, 0.2062, 0.2167**, and if you desaturate by 10%, it is **22.2484, 0.2342, 0.2540**.

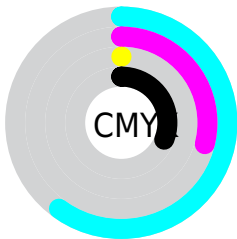
Distribution



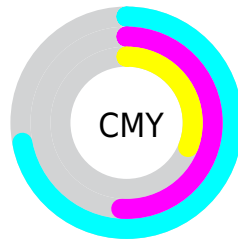
- Red (28%)
- Green (49%)
- Blue (69%)



- Red (28%)
- Yellow (42%)
- Blue (69%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)
- Black (31%)



- Cyan (72%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1811, 0.2195, 0.2356 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 19.1811, 0.2195, 0.2356 by changing the saturation by 10% instead.

■ 19.1811, 0.2195,
0.2356

■ 19.1811, 0.2195,
0.2356

■ 247.4467, 0.2709,
0.2874

■ 11.8012, 0.2053,
0.2211

■ 42.0399, 0.2393,
0.2556

■ 6.6085, 0.1863,
0.2017

■ 58.2876, 0.2464,
0.2628

■ 3.2185, 0.1602,
0.1748

■ 78.2600, 0.2522,
0.2687

■ 1.2468, 0.1230,
0.1361

■ 102.3415, 0.2572,
0.2737

■ 0.0995, 0.0141,
0.0292

■ 130.9166, 0.2614,
0.2779

■ 0.0000, 0.0000,
0.0000

164.3695, 0.2650,

0.2815

203.0848, 0.2681,
0.2847

■ 19.1811, 0.2195,
0.2356

■ 19.1811, 0.2195,
0.2356

■ 16.5025, 0.2062,
0.2167

■ 22.2484, 0.2342,
0.2540

■ 14.1883, 0.1947,
0.1977

■ 25.7225, 0.2498,
0.2716

■ 12.2135, 0.1855,
0.1792

■ 29.6225, 0.2659,
0.2880

■ 10.5298, 0.1783,
0.1616

■ 33.9655, 0.2819,
0.3031

■ 10.5097, 0.1782,
0.1614

■ 38.7674, 0.2977,
0.3168

■ 44.0434, 0.3129,
0.3291

■ 49.8077, 0.3274,
0.3401

■ 56.0741, 0.3411,
0.3498

■ 62.8555, 0.3539,
0.3584

Harmonies

Analogous

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



19.1811, 0.2030, 0.2595



19.1811, 0.2195, 0.2356



19.1811, 0.2593, 0.2348

Triad

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



19.1811, 0.2195, 0.2356



19.1811, 0.4251, 0.3340



19.1811, 0.2986, 0.4246

Complementary

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



19.1811, 0.2195, 0.2356



23.9820, 0.4427, 0.4027

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.



19.1811, 0.3589, 0.4423



19.1811, 0.2195, 0.2356



19.1811, 0.4354, 0.3815

Square

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



19.1811, 0.2195, 0.2356



19.1811, 0.3801, 0.2891



19.1811, 0.4096, 0.4225



19.1811, 0.2450, 0.3709

Rectangle

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



19.1811, 0.2195, 0.2356



19.1811, 0.2967, 0.2456



19.1811, 0.4096, 0.4225



19.1811, 0.3187, 0.4352

Sweetspot

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



19.1818, 0.2195, 0.2356



62.1118, 0.2844, 0.3054



34.2021, 0.2732, 0.4275



12.9545, 0.2799, 0.3013



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.



19.1818, 0.2195, 0.2356



28.0888, 0.2021, 0.2103



9.2540, 0.1990, 0.1427



8.9216, 0.2985, 0.3175



7.7353, 0.1787, 0.1632



0.3598, 0.1927, 0.2135

Inverse Universe

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



15.3396, 0.3981, 0.2535



22.5873, 0.4281, 0.2436



40.5605, 0.3975, 0.4652



8.5751, 0.3210, 0.3175



7.3210, 0.4890, 0.2468



0.2421, 0.4302, 0.2144

Previews

White Background



This preview shows how the Yxy color 19.1811, 0.2195, 0.2356 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 19.1811, 0.2195, 0.2356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

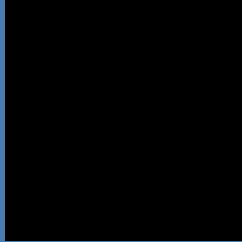
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1811, 0.2195, 0.2356

Background



This preview shows how black text looks on a background with the Yxy color 19.1811, 0.2195, 0.2356.

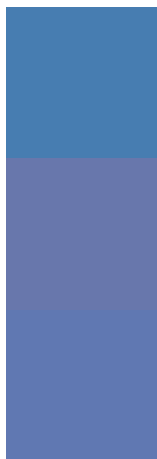


This preview shows how white text looks on a background with the Yxy color 19.1811, 0.2195, 0.2356.

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

19.1811, 0.2195, 0.2356

Protanopia

19.1153, 0.2452, 0.2373

Deuteranopia

19.1341, 0.2345, 0.2292



Tritanopia

19.2963, 0.2359, 0.3083

Trichromacy



Original Color

19.1811, 0.2195, 0.2356

Protanomaly

19.0060, 0.2343, 0.2358

Deuteranomaly

19.1597, 0.2283, 0.2311

Tritanomaly

19.0592, 0.2287, 0.2778

Monochromacy



Original Color

19.1811, 0.2195, 0.2356

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.6813, 0.2694, 0.2917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1811, 0.2195, 0.2356 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(71, 125, 177)` looks like.

```
.text, #text, p{  
    color:rgb(71, 125, 177)  
}
```

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(71, 125, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 125, 177) }
```

Border

The CSS property to change the border of an element to Yxy 19.1811, 0.2195, 0.2356 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(71, 125, 177) }
```

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

```
.border{ border-color:rgb(71, 125, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 125, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 125, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 125, 177); box-shadow:4px 4px 4px 4px rgb(71, 125, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1811, 0.2195, 0.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 125, 177) }
```

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

```
.background{ background-color: rgb(71, 125,  
177) }
```

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