

Converting Colors

$Yxy(19.8984, 0.2063, 0.2188)$

Have a look what the booklet for
Yxy(19.8984, 0.2063, 0.2188)
contains.

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Color

Yxy(19.8102, 0.2061, 0.2186)

Conversions

Conversions Part 1

Format	Color
Hex	397FBF
RGB	57, 127, 191
RGB Percent	22%, 50%, 75%
CMY	0.7768, 0.5019, 0.2509
CMYK	0.70, 0.34, 0.00, 0.25
HSL	209°, 54%, 49%
HSV	209°, 70%, 75%
XYZ	18.6774, 19.8102, 52.1354
YIQ	113.3660, -62.2640, 5.0640

Conversions

Conversions Part 2

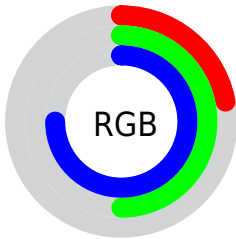
Format	Color
R_{YB}	57, 103, 191
Decimal	3768255
CIE _{Lab}	51.62, -0.78, -39.88
CIE _{LCh}	52, 39.885, 268.873
Yxy	19.8102, 0.2061, 0.2186
Android (android.graphics.Color)	4281958335 (0xFF397FBF)
YUV	113.3660, 38.2736, -49.4330
Hunter-Lab	44.5087, -2.9852, -38.2936

Details

The Yxy color **19.8102, 0.2061, 0.2186** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.0251, 0.4744, 0.4087**, and the grayscale version is **16.5196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9394, 0.2278, 0.2405**, and **7.2549, 0.1848, 0.1852** is the 20% darker color. If you saturate the color by 10%, you get **17.1027, 0.1949, 0.2001**, and if you desaturate by 10%, it is **22.9431, 0.2192, 0.2371**.

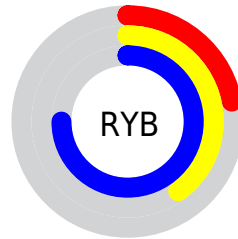
Distribution



Red (22%)

Green (50%)

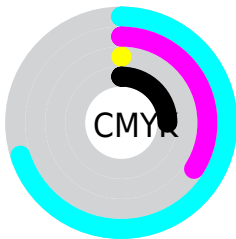
Blue (75%)



Red (22%)

Yellow (40%)

Blue (75%)

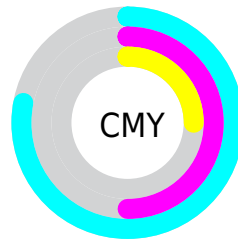


Cyan (70%)

Magenta (34%)

Yellow (0%)

Black (25%)



Cyan (78%)

Magenta (50%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8102, 0.2061, 0.2186 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 19.8102, 0.2061, 0.2186 by changing the saturation by 10% instead.

■ 19.8102, 0.2061,
0.2186

■ 19.8102, 0.2061,
0.2186

■ 250.8858, 0.2639,
0.2786

■ 12.2572, 0.1907,
0.2025

■ 43.0987, 0.2280,
0.2414

■ 6.9191, 0.1705,
0.1815

■ 59.6030, 0.2360,
0.2496

■ 3.4115, 0.1436,
0.1533

■ 79.8598, 0.2426,
0.2565

■ 1.3502, 0.1073,
0.1151

■ 104.2536, 0.2482,
0.2623

■ 0.1796, 0.0300,
0.0355

■ 133.1687, 0.2530,
0.2673

■ 0.0000, 0.0000,
0.0000

166.9895, 0.2571,

0.2716

206.1004, 0.2607,
0.2753

■ 19.8102, 0.2061,
0.2186

■ 19.8102, 0.2061,
0.2186

■ 17.1027, 0.1949,
0.2001

■ 22.9431, 0.2192,
0.2371

■ 14.7878, 0.1860,
0.1820

■ 26.5261, 0.2337,
0.2552

■ 12.8478, 0.1792,
0.1651

■ 30.5837, 0.2492,
0.2723

■ 35.1376, 0.2652,
0.2884

■ 40.2081, 0.2813,
0.3032

■ 45.8141, 0.2971,
0.3167

■ 51.9734, 0.3124,
0.3288

■ 58.7028, 0.3270,
0.3395

■ 66.0184, 0.3409,
0.3491

Harmonies

Analogous

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



19.8102, 0.1853, 0.2430



19.8102, 0.2061, 0.2186



19.8102, 0.2536, 0.2202

Triad

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



19.8102, 0.2061, 0.2186



19.8102, 0.4497, 0.3369



19.8102, 0.2892, 0.4422

Complementary

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



19.8102, 0.2061, 0.2186



25.0251, 0.4744, 0.4087

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.



19.8102, 0.3604, 0.4655



19.8102, 0.2061, 0.2186



19.8102, 0.4572, 0.3919

Square

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



19.8102, 0.2061, 0.2186



19.8102, 0.3981, 0.2851



19.8102, 0.4224, 0.4409



19.8102, 0.2282, 0.3734

Rectangle

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



19.8102, 0.2061, 0.2186



19.8102, 0.2983, 0.2338



19.8102, 0.4224, 0.4409



19.8102, 0.3128, 0.4561

Sweetspot

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



19.8109, 0.2061, 0.2186



70.9338, 0.2795, 0.3016



39.4773, 0.2717, 0.4531



15.0048, 0.2750, 0.2976



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



19.8109, 0.2061, 0.2186



28.4191, 0.1901, 0.1907



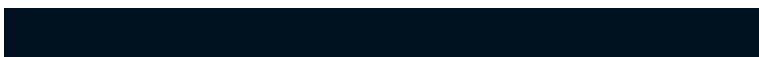
8.0074, 0.1801, 0.1129



10.0283, 0.2984, 0.3178



8.6046, 0.1798, 0.1673



0.4673, 0.1915, 0.2094

Inverse Universe

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



15.5277, 0.4186, 0.2427



23.4711, 0.4534, 0.2387



46.7184, 0.4097, 0.4797



9.6174, 0.3209, 0.3171



7.8983, 0.4839, 0.2439



0.3225, 0.4347, 0.2168

Previews

White Background



This preview shows how the Yxy color 19.8102, 0.2061, 0.2186 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 19.8102, 0.2061, 0.2186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

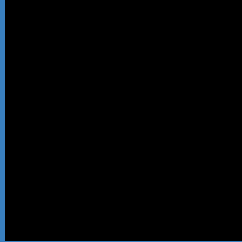
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8102, 0.2061, 0.2186

Background



This preview shows how black text looks on a background with the Yxy color 19.8102, 0.2061, 0.2186.



This preview shows how white text looks on a background with the Yxy color 19.8102, 0.2061, 0.2186.

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

19.8102, 0.2061, 0.2186

Protanopia

19.6450, 0.2330, 0.2208

Deuteranopia

19.6561, 0.2187, 0.2126



Tritanopia

19.8435, 0.2208, 0.3060

Trichromacy



Original Color

19.8102, 0.2061, 0.2186

Protanomaly

19.6386, 0.2212, 0.2204

Deuteranomaly

19.7169, 0.2133, 0.2144

Tritanomaly

19.7265, 0.2137, 0.2704

Monochromacy



Original Color

19.8102, 0.2061, 0.2186

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.2071, 0.2603, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8102, 0.2061, 0.2186 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(57, 127, 191)` looks like.

```
.text, #text, p{  
    color:rgb(57, 127, 191)  
}
```

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(57, 127, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 127, 191) }
```

Border

The CSS property to change the border of an element to Yxy 19.8102, 0.2061, 0.2186 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(57, 127, 191) }
```

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

```
.border{ border-color:rgb(57, 127, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 127, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 127, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 127, 191);  
box-shadow:4px 4px 4px 4px rgb(57, 127,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8102, 0.2061, 0.2186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 127, 191) }
```

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

```
.background{ background-color: rgb(57, 127,  
191) }
```

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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