

Converting Colors

$Y_{xy}(18.9989, 0.2255, 0.2643)$

Have a look what the booklet for
Yxy(18.9989, 0.2255, 0.2643)
contains.

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Color

$\text{Yxy}(19.0683, 0.2256, 0.2655)$

Conversions

Conversions Part 1

Format	Color
Hex	3F80A1
RGB	63, 128, 161
RGB Percent	25%, 50%, 63%
CMY	0.7529, 0.4980, 0.3686
CMYK	0.61, 0.21, 0.00, 0.37
HSL	200°, 44%, 44%
HSV	200°, 61%, 63%
XYZ	16.2027, 19.0683, 36.5494
YIQ	112.3270, -49.3330, -3.5170

Conversions

Conversions Part 2

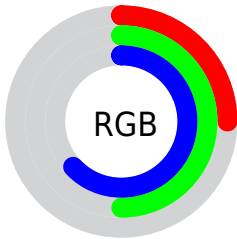
Format	Color
RYB	63, 102, 161
Decimal	4161697
CIELab	50.77, -10.55, -23.88
CIElCh	51, 26.108, 246.163
Yxy	19.0683, 0.2256, 0.2655
Android (android.graphics.Color)	4282351777 (0xFF3F80A1)
YUV	112.3270, 23.9958, -43.2598
Hunter-Lab	43.6673, -10.1856, -19.0585

Details

The Yxy color **19.0683, 0.2256, 0.2655** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **16.3051, 0.4612, 0.3801**, and the grayscale version is **16.2438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9276, 0.2442, 0.2803**, and **6.6961, 0.2004, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **17.2370, 0.2147, 0.2529**, and if you desaturate by 10%, it is **21.1316, 0.2380, 0.2777**.

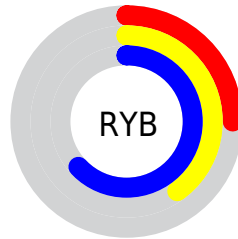
Distribution



Red (25%)

Green (50%)

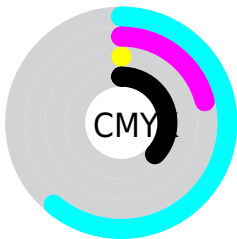
Blue (63%)



Red (25%)

Yellow (40%)

Blue (63%)

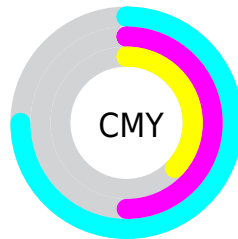


Cyan (61%)

Magenta (21%)

Yellow (0%)

Black (37%)



Cyan (75%)

Magenta (50%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0683, 0.2256, 0.2655 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 19.0683, 0.2256, 0.2655 by changing the saturation by 10% instead.

■ 19.0683, 0.2256,
0.2655

■ 19.0683, 0.2256,
0.2655

■ 246.8256, 0.2739,
0.3021

■ 11.7196, 0.2120,
0.2545

■ 41.8495, 0.2443,
0.2801

■ 6.5531, 0.1935,
0.2392

■ 58.0508, 0.2510,
0.2852

■ 3.1842, 0.1675,
0.2167

■ 77.9718, 0.2565,
0.2893

■ 1.2286, 0.1292,
0.1812

■ 101.9968, 0.2611,
0.2927

■ 0.0849, 0.0000,
0.0407

■ 130.5103, 0.2650,
0.2956

■ 0.0000, 0.0000,
0.0000

163.8967, 0.2684,

0.2981

202.5403, 0.2713,
0.3002

■ 19.0683, 0.2256,
0.2655

■ 19.0683, 0.2256,
0.2655

■ 17.2370, 0.2147,
0.2529

■ 21.1316, 0.2380,
0.2777

■ 15.6205, 0.2056,
0.2402

■ 23.4383, 0.2517,
0.2894

■ 14.2019, 0.1986,
0.2276

■ 26.0013, 0.2662,
0.3003

■ 13.0434, 0.1934,
0.2162

■ 28.8317, 0.2812,
0.3105

■ 31.9399, 0.2963,
0.3199

■ 35.3357, 0.3114,
0.3283

■ 39.0284, 0.3262,
0.3359

■ 43.0267, 0.3406,
0.3427

■ 47.3390, 0.3543,
0.3487

Harmonies

Analogous

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



19.0683, 0.2263, 0.2991



19.0683, 0.2256, 0.2655



19.0683, 0.2457, 0.2511

Triad

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



19.0683, 0.2256, 0.2655



19.0683, 0.3798, 0.3084



19.0683, 0.3359, 0.4168

Complementary

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



19.0683, 0.2256, 0.2655



16.3051, 0.4612, 0.3801

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.



19.0683, 0.3800, 0.4117



19.0683, 0.2256, 0.2655



19.0683, 0.4076, 0.3469

Square

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



19.0683, 0.2256, 0.2655



19.0683, 0.3332, 0.2760



19.0683, 0.4071, 0.3845



19.0683, 0.2875, 0.3923

Rectangle

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



19.0683, 0.2256, 0.2655



19.0683, 0.2695, 0.2521



19.0683, 0.4071, 0.3845



19.0683, 0.3517, 0.4182

Sweetspot

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



19.0690, 0.2256, 0.2655



52.9894, 0.2850, 0.3130



27.3888, 0.2831, 0.4590



11.2974, 0.2808, 0.3103



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.



19.0690, 0.2256, 0.2655



29.8100, 0.2113, 0.2485



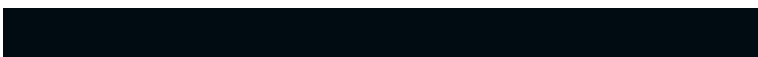
9.2712, 0.2037, 0.1671



7.6074, 0.2987, 0.3213



10.4932, 0.1937, 0.2172



0.3022, 0.2063, 0.2625

Inverse Universe

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



12.6920, 0.3714, 0.2313



18.9007, 0.3903, 0.2176



28.0890, 0.4106, 0.4492



7.1614, 0.3186, 0.3142



6.9034, 0.4263, 0.2122



0.1533, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 19.0683, 0.2256, 0.2655 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 19.0683, 0.2256, 0.2655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

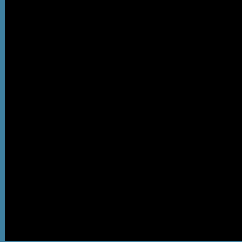
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0683, 0.2256, 0.2655

Background



This preview shows how black text looks on a background with the Yxy color 19.0683, 0.2256, 0.2655.

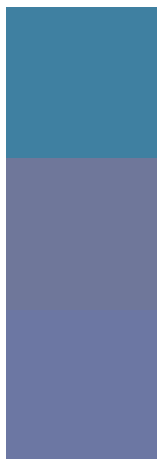


This preview shows how white text looks on a background with the Yxy color 19.0683, 0.2256, 0.2655.

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

19.0683, 0.2256, 0.2655

Protanopia

18.9063, 0.2670, 0.2659

Deuteranopia

19.0261, 0.2561, 0.2513



Tritanopia

18.9699, 0.2343, 0.3061

Trichromacy



Original Color

19.0683, 0.2256, 0.2655

Protanomaly

18.7331, 0.2488, 0.2639

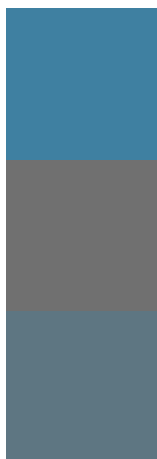
Deuteranomaly

18.8030, 0.2432, 0.2556

Tritanomaly

19.0050, 0.2308, 0.2906

Monochromacy



Original Color

19.0683, 0.2256, 0.2655

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.9483, 0.2717, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0683, 0.2256, 0.2655 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(63, 128, 161)` looks like.

```
.text, #text, p{  
    color:rgb(63, 128, 161)  
}
```

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(63, 128, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 128, 161) }
```

Border

The CSS property to change the border of an element to Yxy 19.0683, 0.2256, 0.2655 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(63, 128, 161) }
```

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

```
.border{ border-color:rgb(63, 128, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 128, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 128, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 128, 161);  
box-shadow:4px 4px 4px 4px rgb(63, 128,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0683, 0.2256, 0.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 128, 161) }
```

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

```
.background{ background-color: rgb(63, 128,  
161) }
```

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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