

Converting Colors

$Yxy(18.5573, 0.2224, 0.2617)$

Have a look what the booklet for
Yxy(18.5573, 0.2224, 0.2617)
contains.

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Color

$Y_{xy}(18.6818, 0.2229, 0.2631)$

Conversions

Conversions Part 1

Format	Color
Hex	3B7FA1
RGB	59, 127, 161
RGB Percent	23%, 50%, 63%
CMY	0.7686, 0.5020, 0.3686
CMYK	0.63, 0.21, 0.00, 0.37
HSL	200°, 46%, 43%
HSV	200°, 63%, 63%
XYZ	15.8273, 18.6818, 36.4973
YIQ	110.5440, -51.4420, -3.8420

Conversions

Conversions Part 2

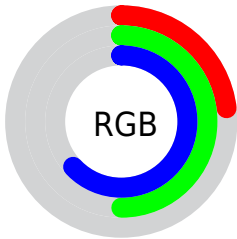
Format	Color
R_{YB}	59, 100, 161
Decimal	3899297
CIE _{Lab}	50.31, -10.75, -24.60
CIE _{LCh}	50, 26.845, 246.392
Yxy	18.6818, 0.2229, 0.2631
Android (android.graphics.Color)	4282089377 (0xFF3B7FA1)
YUV	110.5440, 24.8748, -45.2041
Hunter-Lab	43.2224, -10.2756, -19.8092

Details

The Yxy color **18.6818, 0.2229, 0.2631** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **15.7281, 0.4701, 0.3809**, and the grayscale version is **15.6967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3134, 0.2422, 0.2786**, and **6.5529, 0.1996, 0.2384** is the 20% darker color. If you saturate the color by 10%, you get **16.9137, 0.2125, 0.2506**, and if you desaturate by 10%, it is **20.6769, 0.2349, 0.2753**.

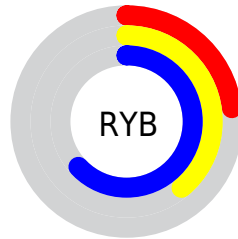
Distribution



 Red (23%)

 Green (50%)

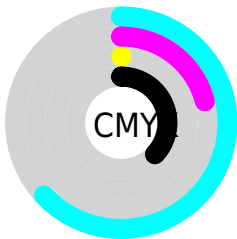
 Blue (63%)




 Red (23%)

 Yellow (39%)

 Blue (63%)

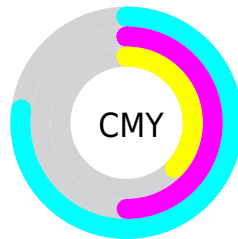


 Cyan (63%)

 Magenta (21%)

 Yellow (0%)

 Black (37%)



 Cyan (77%)

 Magenta (50%)

 Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6818, 0.2229, 0.2631 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 18.6818, 0.2229, 0.2631 by changing the saturation by 10% instead.

■ 18.6818, 0.2229,
0.2631

■ 18.6818, 0.2229,
0.2631

■ 244.6864, 0.2727,
0.3011

■ 11.4406, 0.2088,
0.2517

■ 41.1957, 0.2422,
0.2783

■ 6.3640, 0.1898,
0.2357

■ 57.2372, 0.2491,
0.2836

■ 3.0677, 0.1630,
0.2123

■ 76.9809, 0.2548,
0.2879

■ 1.1672, 0.1237,
0.1755

■ 100.8112, 0.2596,
0.2914

■ 0.0346, 0.0000,
0.0171

■ 129.1125, 0.2636,
0.2944

■ 0.0000, 0.0000,
0.0000

162.2693, 0.2671,

0.2970

200.6658, 0.2701,
0.2992

■ 18.6818, 0.2229,
0.2631

■ 18.6818, 0.2229,
0.2631

■ 16.9137, 0.2125,
0.2506

■ 20.6769, 0.2349,
0.2753

■ 15.3550, 0.2040,
0.2380

■ 22.9108, 0.2483,
0.2870

■ 13.9880, 0.1974,
0.2256

■ 25.3965, 0.2626,
0.2980

■ 13.1562, 0.1937,
0.2174

■ 28.1455, 0.2774,
0.3083

■ 31.1682, 0.2926,
0.3177

■ 34.4747, 0.3077,
0.3263

■ 38.0742, 0.3226,
0.3340

■ 41.9756, 0.3371,
0.3410

■ 46.1873, 0.3510,
0.3471

Harmonies

Analogous

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



18.6818, 0.2234, 0.2975



18.6818, 0.2229, 0.2631



18.6818, 0.2437, 0.2486

Triad

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



18.6818, 0.2229, 0.2631



18.6818, 0.3825, 0.3079



18.6818, 0.3361, 0.4200

Complementary

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



18.6818, 0.2229, 0.2631



15.7281, 0.4701, 0.3809

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.



18.6818, 0.3819, 0.4147



18.6818, 0.2229, 0.2631



18.6818, 0.4111, 0.3476

Square

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



18.6818, 0.2229, 0.2631



18.6818, 0.3342, 0.2745



18.6818, 0.4102, 0.3864



18.6818, 0.2862, 0.3944

Rectangle

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



18.6818, 0.2229, 0.2631



18.6818, 0.2683, 0.2497



18.6818, 0.4102, 0.3864



18.6818, 0.3525, 0.4215

Sweetspot

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



18.6825, 0.2229, 0.2631



52.4973, 0.2835, 0.3122



27.2162, 0.2826, 0.4654



11.2011, 0.2794, 0.3096



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.



18.6825, 0.2229, 0.2631



29.1033, 0.2088, 0.2455



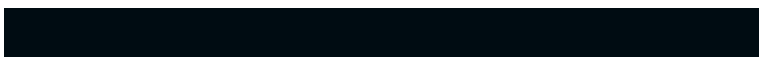
8.6742, 0.1992, 0.1597



7.6113, 0.2987, 0.3213



10.5822, 0.1940, 0.2184



0.3036, 0.2064, 0.2632

Inverse Universe

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



12.2400, 0.3741, 0.2279



18.2707, 0.3938, 0.2149



27.8459, 0.4142, 0.4529



7.1618, 0.3186, 0.3141



6.9124, 0.4250, 0.2115



0.1535, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 18.6818, 0.2229, 0.2631 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 18.6818, 0.2229, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

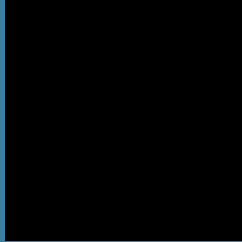
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6818, 0.2229, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 18.6818, 0.2229, 0.2631.

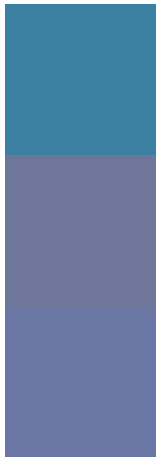


This preview shows how white text looks on a background with the Yxy color 18.6818, 0.2229, 0.2631.

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

18.6818, 0.2229, 0.2631

Protanopia

18.6050, 0.2658, 0.2638

Deuteranopia

18.6654, 0.2539, 0.2490



Tritanopia

18.8087, 0.2323, 0.3079

Trichromacy



Original Color

18.6818, 0.2229, 0.2631

Protanomaly

18.3332, 0.2459, 0.2615

Deuteranomaly

18.4072, 0.2404, 0.2532

Tritanomaly

18.8603, 0.2293, 0.2923

Monochromacy



Original Color

18.6818, 0.2229, 0.2631

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5829, 0.2703, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6818, 0.2229, 0.2631 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(59, 127, 161)` looks like.

```
.text, #text, p{  
    color:rgb(59, 127, 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(59, 127, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 127, 161) }
```

Border

The CSS property to change the border of an element to Yxy 18.6818, 0.2229, 0.2631 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(59, 127, 161) }
```

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

```
.border{ border-color:rgb(59, 127, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 127, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 127, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 127, 161);  
box-shadow:4px 4px 4px 4px rgb(59, 127,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6818, 0.2229, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 127, 161) }
```

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

```
.background{ background-color: rgb(59, 127,  
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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