

Converting Colors

$Y_{xy}(18.5696, 0.2272, 0.2612)$

Have a look what the booklet for
Yxy(18.5696, 0.2272, 0.2612)
contains.

Yxy(18.6882, 0.2271, 0.2619)	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(18.6882, 0.2271, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	437EA1
RGB	67, 126, 161
RGB Percent	26%, 49%, 63%
CMY	0.7374, 0.5058, 0.3687
CMYK	0.58, 0.22, 0.00, 0.37
HSL	202°, 41%, 45%
HSV	202°, 58%, 63%
XYZ	16.2050, 18.6882, 36.4630
YIQ	112.3490, -46.3990, -1.6230

Conversions

Conversions Part 2

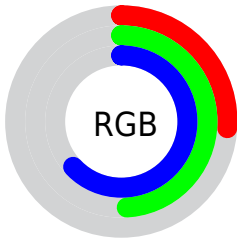
Format	Color
RYB	67, 103, 161
Decimal	4423329
CIELab	50.32, -8.61, -24.54
CIELCh	50, 26.009, 250.662
Yxy	18.6882, 0.2271, 0.2619
Android (android.graphics.Color)	4282613409 (0xFF437EA1)
YUV	112.3490, 23.9849, -39.7711
Hunter-Lab	43.2299, -8.7403, -19.7484

Details

The Yxy color **18.6882, 0.2271, 0.2619** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.4692, 0.4493, 0.3838**, and the grayscale version is **16.2468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3356, 0.2454, 0.2776**, and **6.4119, 0.1987, 0.2353** is the 20% darker color. If you saturate the color by 10%, you get **16.7113, 0.2153, 0.2480**, and if you desaturate by 10%, it is **20.9163, 0.2403, 0.2754**.

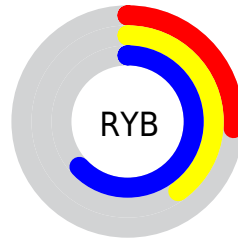
Distribution



Red (26%)

Green (49%)

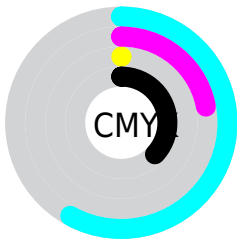
Blue (63%)



Red (26%)

Yellow (40%)

Blue (63%)

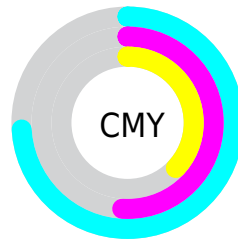


Cyan (58%)

Magenta (22%)

Yellow (0%)

Black (37%)



Cyan (74%)

Magenta (51%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6882, 0.2271, 0.2619 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 18.6882, 0.2271, 0.2619 by changing the saturation by 10% instead.

■ 18.6882, 0.2271,
0.2619

■ 18.6882, 0.2271,
0.2619

■ 244.7220, 0.2747,
0.3004

■ 11.4452, 0.2136,
0.2504

■ 41.2066, 0.2456,
0.2772

■ 6.3671, 0.1952,
0.2344

■ 57.2507, 0.2522,
0.2826

■ 3.0696, 0.1693,
0.2110

■ 76.9974, 0.2576,
0.2869

■ 1.1682, 0.1308,
0.1744

■ 100.8309, 0.2622,
0.2905

■ 0.0355, 0.0000,
0.0175

■ 129.1358, 0.2660,
0.2936

■ 0.0000, 0.0000,
0.0000

162.2963, 0.2693,

0.2962

200.6969, 0.2722,
0.2985

■ 18.6882, 0.2271,
0.2619

■ 18.6882, 0.2271,
0.2619

■ 16.7113, 0.2153,
0.2480

■ 20.9163, 0.2403,
0.2754

■ 14.9684, 0.2052,
0.2338

■ 23.4070, 0.2546,
0.2882

■ 13.4428, 0.1972,
0.2198

■ 26.1733, 0.2695,
0.3001

■ 12.1037, 0.1909,
0.2059

■ 29.2265, 0.2848,
0.3112

■ 11.9005, 0.1899,
0.2037

■ 32.5773, 0.3001,
0.3213

■ 36.2356, 0.3151,
0.3304

■ 40.2111, 0.3297,
0.3385

■ 44.5125, 0.3437,
0.3458

■ 49.1486, 0.3571,
0.3522

Harmonies

Analogous

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



18.6882, 0.2246, 0.2928



18.6882, 0.2271, 0.2619



18.6882, 0.2502, 0.2504

Triad

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



18.6882, 0.2271, 0.2619



18.6882, 0.3857, 0.3139



18.6882, 0.3286, 0.4153

Complementary

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



18.6882, 0.2271, 0.2619



17.4692, 0.4493, 0.3838

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.



18.6882, 0.3743, 0.4144



18.6882, 0.2271, 0.2619



18.6882, 0.4097, 0.3528

Square

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



18.6882, 0.2271, 0.2619



18.6882, 0.3408, 0.2801



18.6882, 0.4048, 0.3896



18.6882, 0.2807, 0.3866

Rectangle

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



18.6882, 0.2271, 0.2619



18.6882, 0.2757, 0.2532



18.6882, 0.4048, 0.3896



18.6882, 0.3447, 0.4183

Sweetspot

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



18.6889, 0.2271, 0.2619



52.3936, 0.2849, 0.3113



27.6237, 0.2816, 0.4464



11.1492, 0.2807, 0.3083



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.



18.6889, 0.2271, 0.2619



28.9853, 0.2122, 0.2439



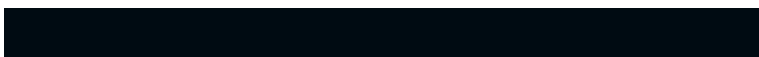
9.4281, 0.2070, 0.1686



7.5662, 0.2987, 0.3204



9.5865, 0.1902, 0.2048



0.2874, 0.2042, 0.2551

Inverse Universe

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



13.0913, 0.3738, 0.2391



19.4502, 0.3939, 0.2255



29.3001, 0.4042, 0.4491



7.1573, 0.3192, 0.3150



6.8119, 0.4398, 0.2197



0.1518, 0.3872, 0.1907

Previews

White Background



This preview shows how the Yxy color 18.6882, 0.2271, 0.2619 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 18.6882, 0.2271, 0.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

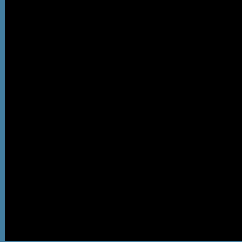
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

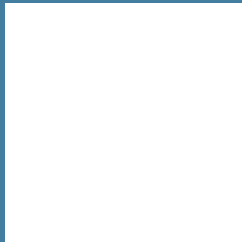
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6882, 0.2271, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 18.6882, 0.2271, 0.2619.

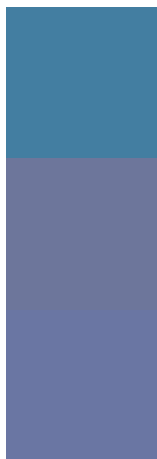


This preview shows how white text looks on a background with the Yxy color 18.6882, 0.2271, 0.2619.

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

18.6882, 0.2271, 0.2619

Protanopia

18.5746, 0.2638, 0.2620

Deuteranopia

18.6654, 0.2539, 0.2490



Tritanopia

18.7583, 0.2375, 0.3081

Trichromacy



Original Color

18.6882, 0.2271, 0.2619

Protanomaly

18.4887, 0.2485, 0.2620

Deuteranomaly

18.5587, 0.2429, 0.2537

Tritanomaly

18.8307, 0.2333, 0.2906

Monochromacy



Original Color

18.6882, 0.2271, 0.2619

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8211, 0.2736, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6882, 0.2271, 0.2619 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(67, 126, 161)` looks like.

```
.text, #text, p{  
    color:rgb(67, 126, 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(67, 126, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 126, 161) }
```

Border

The CSS property to change the border of an element to Yxy 18.6882, 0.2271, 0.2619 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(67, 126, 161) }
```

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

```
.border{ border-color:rgb(67, 126, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 126, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 126, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 126, 161);  
box-shadow:4px 4px 4px 4px rgb(67, 126,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6882, 0.2271, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 126, 161) }
```

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

```
.background{ background-color: rgb(67, 126,  
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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