

Converting Colors

$Y_{xy}(18.1962, 0.2467, 0.3065)$

Have a look what the booklet for
Yxy(18.1962, 0.2467, 0.3065)
contains.

Yxy(18.0674, 0.2469, 0.3061)	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

$\text{Yxy}(18.0674, 0.2469, 0.3061)$

Conversions

Conversions Part 1

Format	Color
Hex	477E89
RGB	71, 126, 137
RGB Percent	28%, 49%, 54%
CMY	0.7216, 0.5059, 0.4628
CMYK	0.48, 0.08, 0.00, 0.46
HSL	190°, 32%, 41%
HSV	190°, 48%, 54%
XYZ	14.5731, 18.0674, 26.3840
YIQ	110.8090, -36.3110, -8.2390

Conversions

Conversions Part 2

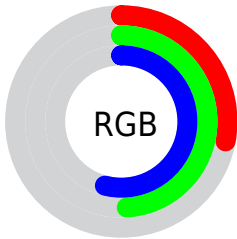
Format	Color
R_{YB}	71, 101, 137
Decimal	4685449
CIE _{Lab}	49.58, -15.05, -11.62
CIE _{LCh}	50, 19.015, 217.679
Yxy	18.0674, 0.2469, 0.3061
Android (android.graphics.Color)	4282875529 (0xFF477E89)
YUV	110.8090, 12.9122, -34.9125
Hunter-Lab	42.5058, -13.1862, -7.0481

Details

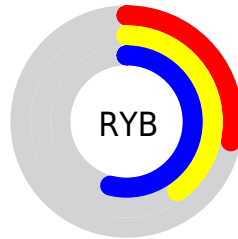
The Yxy color **18.0674, 0.2469, 0.3061** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8026, 0.4287, 0.3498**, and the grayscale version is **15.8068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2430, 0.2621, 0.3127**, and **6.0814, 0.2207, 0.2956** is the 20% darker color. If you saturate the color by 10%, you get **17.0307, 0.2363, 0.3005**, and if you desaturate by 10%, it is **19.2355, 0.2589, 0.3115**.

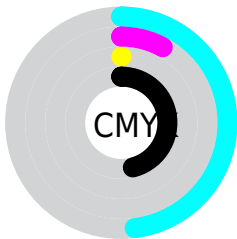
Distribution



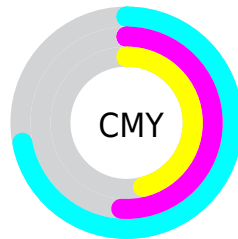
- Red (28%)
- Green (49%)
- Blue (54%)



- Red (28%)
- Yellow (40%)
- Blue (54%)



- Cyan (48%)
- Magenta (8%)
- Yellow (0%)
- Black (46%)



- Cyan (72%)
- Magenta (51%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0674, 0.2469, 0.3061 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 18.0674, 0.2469, 0.3061 by changing the saturation by 10% instead.

18.0674, 0.2469,
0.3061

18.0674, 0.2469,
0.3061

241.2507, 0.2842,
0.3201

10.9984, 0.2358,
0.3014

40.1521, 0.2617,
0.3119

6.0658, 0.2204,
0.2945

55.9367, 0.2668,
0.3139

2.8851, 0.1975,
0.2833

75.3951, 0.2710,
0.3154

1.0720, 0.1575,
0.2636

98.9120, 0.2745,
0.3167

0.0000, 0.0000,
0.0000

126.8715, 0.2775,
0.3177

159.6582, 0.2801,

0.3186

197.6565, 0.2823,
0.3194

■ 18.0674, 0.2469,
0.3061

■ 18.0674, 0.2469,
0.3061

■ 17.0307, 0.2363,
0.3005

■ 19.2355, 0.2589,
0.3115

■ 16.1154, 0.2273,
0.2948

■ 20.5403, 0.2720,
0.3165

■ 15.3131, 0.2201,
0.2890

■ 21.9892, 0.2860,
0.3213

■ 14.6134, 0.2147,
0.2832

■ 23.5884, 0.3006,
0.3257

■ 13.9933, 0.2108,
0.2775

■ 25.3438, 0.3154,
0.3297

■ 13.8836, 0.2101,
0.2764

■ 27.2609, 0.3304,
0.3333

■ 29.3449, 0.3452,
0.3366

■ 31.6008, 0.3597,
0.3395

■ 34.0334, 0.3738,
0.3420

Harmonies

Analogous

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



18.0674, 0.2631, 0.3405



18.0674, 0.2469, 0.3061



18.0674, 0.2471, 0.2809

Triad

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



18.0674, 0.2469, 0.3061



18.0674, 0.3302, 0.2898



18.0674, 0.3620, 0.3914

Complementary

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



18.0674, 0.2469, 0.3061



11.8026, 0.4287, 0.3498

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.



18.0674, 0.3824, 0.3730



18.0674, 0.2469, 0.3061



18.0674, 0.3638, 0.3154

Square

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



18.0674, 0.2469, 0.3061



18.0674, 0.2933, 0.2735



18.0674, 0.3833, 0.3452



18.0674, 0.3290, 0.3926

Rectangle

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



18.0674, 0.2469, 0.3061



18.0674, 0.2563, 0.2719



18.0674, 0.3833, 0.3452



18.0674, 0.3707, 0.3868

Sweetspot

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



18.0681, 0.2469, 0.3061



40.4602, 0.2916, 0.3230



19.8210, 0.2977, 0.4531



8.9562, 0.2889, 0.3222



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.0681, 0.2469, 0.3061



30.3120, 0.2353, 0.2999



11.1655, 0.2340, 0.2350



5.5493, 0.2991, 0.3253



12.9484, 0.2102, 0.2766



0.1035, 0.2179, 0.3042

Inverse Universe

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



11.3284, 0.3352, 0.2325



17.1349, 0.3419, 0.2134



17.7824, 0.3994, 0.4068



5.1149, 0.3161, 0.3110



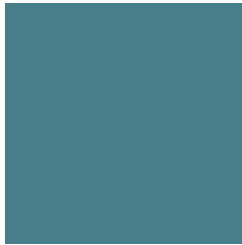
6.0914, 0.3666, 0.1793



0.0422, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 18.0674, 0.2469, 0.3061 looks on a white 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

Black Background



This preview shows how the Yxy color 18.0674, 0.2469, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

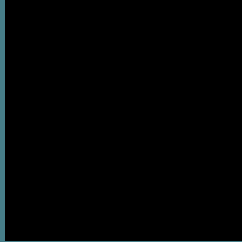
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

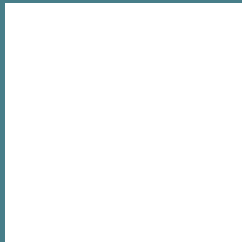
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.0674, 0.2469, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 18.0674, 0.2469, 0.3061.

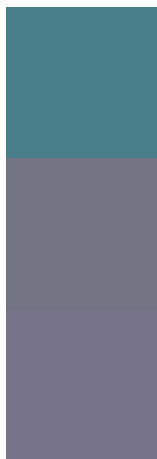


This preview shows how white text looks on a background with the Yxy color 18.0674, 0.2469, 0.3061.

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

18.0674, 0.2469, 0.3061

Protanopia

17.7743, 0.2943, 0.3004

Deuteranopia

17.9771, 0.2891, 0.2846



Tritanopia

18.0389, 0.2477, 0.3081

Trichromacy



Original Color

18.0674, 0.2469, 0.3061

Protanomaly

17.7790, 0.2744, 0.3031

Deuteranomaly

17.7953, 0.2715, 0.2919

Tritanomaly

18.0389, 0.2477, 0.3081

Monochromacy



Original Color

18.0674, 0.2469, 0.3061

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3336, 0.2838, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0674, 0.2469, 0.3061 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, 126, 137)` looks like.

```
.text, #text, p{  
    color:rgb(71, 126, 137)  
}
```

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, 126, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 126, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.0674, 0.2469, 0.3061 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, 126, 137) }
```

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

```
.border{ border-color:rgb(71, 126, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 126, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 126, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 126, 137);  
box-shadow:4px 4px 4px 4px rgb(71, 126,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0674, 0.2469, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 126, 137) }
```

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

```
.background{ background-color: rgb(71, 126,  
137) }
```

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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