

Converting Colors

$Y_{xy}(18.7602, 0.2470, 0.2519)$

Have a look what the booklet for
Yxy(18.7602, 0.2470, 0.2519)
contains.

Yxy(18.6740, 0.2471, 0.2512)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6740, 0.2471, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	6278A3
RGB	98, 120, 163
RGB Percent	38%, 47%, 64%
CMY	0.6155, 0.5295, 0.3607
CMYK	0.40, 0.26, 0.00, 0.36
HSL	220°, 26%, 51%
HSV	220°, 40%, 64%
XYZ	18.3692, 18.6740, 37.2960
YIQ	118.3240, -26.9150, 8.7090

Conversions

Conversions Part 2

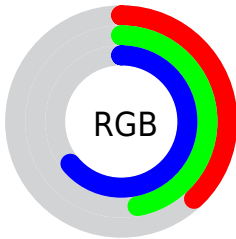
Format	Color
R _Y B	98, 114, 163
Decimal	6453411
CIE Lab	50.30, 3.29, -25.62
CIE LCh	50, 25.830, 277.318
Yxy	18.6740, 0.2471, 0.2512
Android (android.graphics.Color)	4284643491 (0xFF6278A3)
YUV	118.3240, 22.0253, -17.8241
Hunter-Lab	43.2134, 0.2535, -20.9217

Details

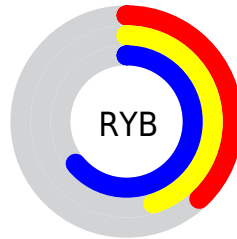
The Yxy color **18.6740, 0.2471, 0.2512** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.7438, 0.3830, 0.3958**, and the grayscale version is **18.1625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1463, 0.2617, 0.2681**, and **6.3868, 0.2217, 0.2227** is the 20% darker color. If you saturate the color by 10%, you get **15.4060, 0.2296, 0.2273**, and if you desaturate by 10%, it is **22.4210, 0.2646, 0.2736**.

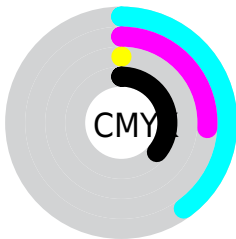
Distribution



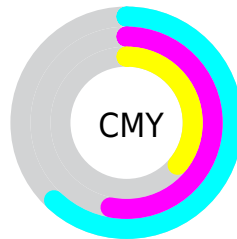
- Red (38%)
- Green (47%)
- Blue (64%)



- Red (38%)
- Yellow (45%)
- Blue (64%)



- Cyan (40%)
- Magenta (26%)
- Yellow (0%)
- Black (36%)



- Cyan (62%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6740, 0.2471, 0.2512 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 18.6740, 0.2471, 0.2512 by changing the saturation by 10% instead.

■ 18.6740, 0.2471,
0.2512

■ 18.6740, 0.2471,
0.2512

■ 244.6431, 0.2841,
0.2946

■ 11.4350, 0.2363,
0.2388

■ 41.1825, 0.2617,
0.2681

■ 6.3602, 0.2215,
0.2218

■ 57.2208, 0.2668,
0.2741

■ 3.0653, 0.2000,
0.1976

■ 76.9609, 0.2710,
0.2791

■ 1.1659, 0.1668,
0.1611

■ 100.7872, 0.2745,
0.2832

■ 0.0336, 0.0497,
0.0149

■ 129.0842, 0.2775,
0.2867

■ 0.0000, 0.0000,
0.0000

162.2363, 0.2800,

0.2897

200.6278, 0.2822,
0.2923

■ 18.6740, 0.2471,
0.2512

■ 18.6740, 0.2471,
0.2512

■ 15.4060, 0.2296,
0.2273

■ 22.4210, 0.2646,
0.2736

■ 12.5938, 0.2126,
0.2024

■ 26.6644, 0.2816,
0.2941

■ 10.2155, 0.1970,
0.1774

■ 31.4233, 0.2978,
0.3127

■ 8.2461, 0.1834,
0.1531

■ 36.7151, 0.3129,
0.3292

■ 6.6573, 0.1725,
0.1307

■ 42.5563, 0.3269,
0.3439

■ 5.3991, 0.1642,
0.1109

■ 48.9627, 0.3398,
0.3567

■ 5.3828, 0.1641,
0.1107

■ 55.9495, 0.3516,
0.3680

■ 63.5312, 0.3622,
0.3778

■ 71.7219, 0.3719,
0.3864

Harmonies

Analogous

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



18.6740, 0.2263, 0.2648



18.6740, 0.2471, 0.2512



18.6740, 0.2858, 0.2562

Triad

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



18.6740, 0.2471, 0.2512



18.6740, 0.4078, 0.3484



18.6740, 0.2859, 0.3906

Complementary

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



18.6740, 0.2471, 0.2512



27.7438, 0.3830, 0.3958

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.



18.6740, 0.3339, 0.4160



18.6740, 0.2471, 0.2512



18.6740, 0.4062, 0.3856

Square

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



18.6740, 0.2471, 0.2512



18.6740, 0.3810, 0.3099



18.6740, 0.3783, 0.4121



18.6740, 0.2470, 0.3445

Rectangle

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



18.6740, 0.2471, 0.2512



18.6740, 0.3182, 0.2687



18.6740, 0.3783, 0.4121



18.6740, 0.3015, 0.4022

Sweetspot

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



18.6747, 0.2471, 0.2512



54.1604, 0.2940, 0.3085



30.7026, 0.2751, 0.3689



11.9252, 0.2921, 0.3063



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



18.6747, 0.2471, 0.2512



28.1129, 0.2312, 0.2297



14.5641, 0.2511, 0.2133



7.2328, 0.2987, 0.3137



4.2592, 0.1645, 0.1123



0.1741, 0.1849, 0.1856

Inverse Universe

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



17.8884, 0.3763, 0.2944



27.1344, 0.3984, 0.2868



33.8835, 0.3608, 0.4290



7.1236, 0.3234, 0.3214



6.2741, 0.5577, 0.2846



0.1404, 0.4619, 0.2318

Previews

White Background



This preview shows how the Yxy color 18.6740, 0.2471, 0.2512 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 18.6740, 0.2471, 0.2512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

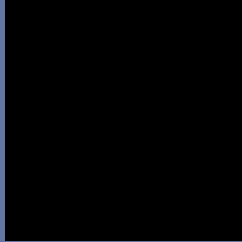
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

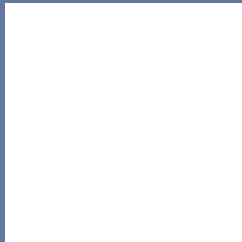
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6740, 0.2471, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 18.6740, 0.2471, 0.2512.

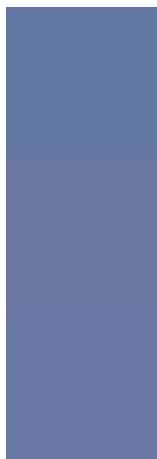


This preview shows how white text looks on a background with the Yxy color 18.6740, 0.2471, 0.2512.

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

18.6740, 0.2471, 0.2512

Protanopia

18.6559, 0.2566, 0.2523

Deuteranopia

18.6654, 0.2539, 0.2490



Tritanopia

18.6406, 0.2655, 0.3089

Trichromacy



Original Color

18.6740, 0.2471, 0.2512

Protanomaly

18.7453, 0.2531, 0.2520

Deuteranomaly

18.7216, 0.2514, 0.2503

Tritanomaly

18.5899, 0.2591, 0.2865

Monochromacy



Original Color

18.6740, 0.2471, 0.2512

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.2944, 0.2866, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6740, 0.2471, 0.2512 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(98, 120, 163)` looks like.

```
.text, #text, p{  
    color:rgb(98, 120, 163)  
}
```

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(98, 120, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 120, 163) }
```

Border

The CSS property to change the border of an element to Yxy 18.6740, 0.2471, 0.2512 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(98, 120, 163) }
```

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

```
.border{ border-color:rgb(98, 120, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 120, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 120, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 120, 163);  
box-shadow:4px 4px 4px 4px rgb(98, 120,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6740, 0.2471, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 120, 163) }
```

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

```
.background{ background-color: rgb(98, 120,  
163) }
```

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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