

Converting Colors

$Y_{xy}(17.9478, 0.2494, 0.2659)$

Have a look what the booklet for
Yxy(17.9478, 0.2494, 0.2659)
contains.

Yxy(18.0082, 0.2497, 0.2663)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.0082, 0.2497, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	5C7899
RGB	92, 120, 153
RGB Percent	36%, 47%, 60%
CMY	0.6390, 0.5295, 0.3999
CMYK	0.40, 0.22, 0.00, 0.40
HSL	213°, 25%, 48%
HSV	213°, 40%, 60%
XYZ	16.8856, 18.0082, 32.7299
YIQ	115.3900, -27.2810, 4.3270

Conversions

Conversions Part 2

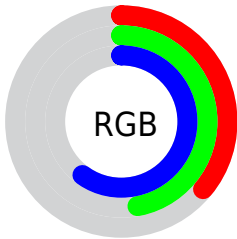
Format	Color
R _Y B	92, 111, 153
Decimal	6060185
CIE Lab	49.51, -1.27, -21.03
CIE LCh	50, 21.072, 266.534
Yxy	18.0082, 0.2497, 0.2663
Android (android.graphics.Color)	4284250265 (0xFF5C7899)
YUV	115.3900, 18.5417, -20.5130
Hunter-Lab	42.4361, -3.2366, -16.0237

Details

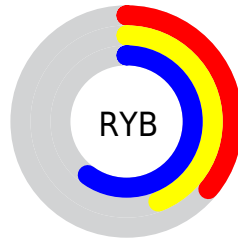
The Yxy color **18.0082, 0.2497, 0.2663** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.2394, 0.3872, 0.3840**, and the grayscale version is **17.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9393, 0.2638, 0.2808**, and **6.0655, 0.2240, 0.2413** is the 20% darker color. If you saturate the color by 10%, you get **15.3895, 0.2336, 0.2471**, and if you desaturate by 10%, it is **20.9603, 0.2660, 0.2843**.

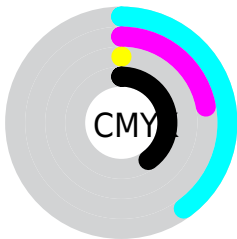
Distribution



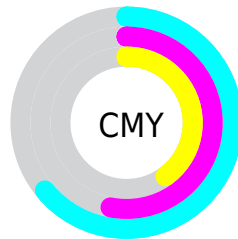
- Red (36%)
- Green (47%)
- Blue (60%)



- Red (36%)
- Yellow (44%)
- Blue (60%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (64%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0082, 0.2497, 0.2663 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 18.0082, 0.2497, 0.2663 by changing the saturation by 10% instead.

■ 18.0082, 0.2497,
0.2663

■ 18.0082, 0.2497,
0.2663

240.9173, 0.2854,
0.3020

■ 10.9559, 0.2391,
0.2557

■ 40.0513, 0.2638,
0.2805

■ 6.0372, 0.2245,
0.2408

■ 55.8109, 0.2688,
0.2854

■ 2.8677, 0.2029,
0.2189

■ 75.2416, 0.2728,
0.2895

■ 1.0631, 0.1689,
0.1840

■ 98.7280, 0.2762,
0.2928

■ 0.0000, 0.0000,
0.0000

126.6543, 0.2791,
0.2957

159.4051, 0.2815,

0.2981

197.3646, 0.2836,
0.3002

■ 18.0082, 0.2497,
0.2663

■ 18.0082, 0.2497,
0.2663

■ 15.3895, 0.2336,
0.2471

■ 20.9603, 0.2660,
0.2843

■ 13.0880, 0.2183,
0.2269

■ 24.2567, 0.2822,
0.3008

■ 11.0893, 0.2043,
0.2062

■ 27.9103, 0.2979,
0.3158

■ 9.3765, 0.1921,
0.1856

■ 31.9327, 0.3130,
0.3292

■ 7.9305, 0.1822,
0.1657

■ 36.3350, 0.3272,
0.3412

■ 6.7117, 0.1742,
0.1469

■ 41.1275, 0.3405,
0.3517

■ 6.6926, 0.1741,
0.1466

■ 46.3205, 0.3529,
0.3610

■ 51.9234, 0.3644,
0.3692

■ 57.9458, 0.3750,
0.3763

Harmonies

Analogous

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



18.0082, 0.2381, 0.2842



18.0082, 0.2497, 0.2663



18.0082, 0.2775, 0.2646

Triad

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



18.0082, 0.2497, 0.2663



18.0082, 0.3856, 0.3342



18.0082, 0.3050, 0.3891

Complementary

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



18.0082, 0.2497, 0.2663



22.2394, 0.3872, 0.3840

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.



18.0082, 0.3451, 0.4019



18.0082, 0.2497, 0.2663



18.0082, 0.3932, 0.3665

Square

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



18.0082, 0.2497, 0.2663



18.0082, 0.3567, 0.3026



18.0082, 0.3778, 0.3921



18.0082, 0.2685, 0.3564

Rectangle

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



18.0082, 0.2497, 0.2663



18.0082, 0.3028, 0.2719



18.0082, 0.3778, 0.3921



18.0082, 0.3185, 0.3960

Sweetspot

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



18.0089, 0.2497, 0.2663



48.3398, 0.2942, 0.3123



26.5364, 0.2809, 0.3825



10.5034, 0.2924, 0.3106



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.0089, 0.2497, 0.2663



27.9458, 0.2350, 0.2488



12.3510, 0.2436, 0.2117



6.4692, 0.2989, 0.3166



5.5955, 0.1744, 0.1479



0.1552, 0.1963, 0.2266

Inverse Universe

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



15.7954, 0.3643, 0.2826



24.0260, 0.3818, 0.2722



30.1397, 0.3684, 0.4256



6.2674, 0.3216, 0.3188



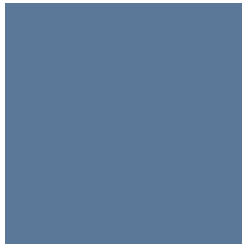
5.9702, 0.5087, 0.2576



0.0965, 0.4162, 0.2066

Previews

White Background



This preview shows how the Yxy color 18.0082, 0.2497, 0.2663 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 18.0082, 0.2497, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

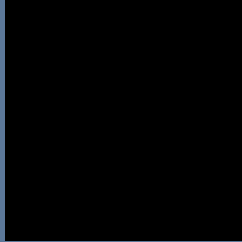
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

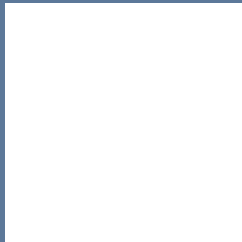
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.0082, 0.2497, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 18.0082, 0.2497, 0.2663.

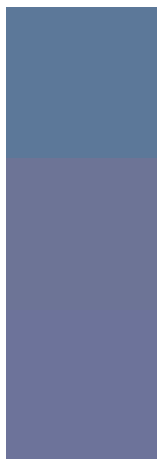


This preview shows how white text looks on a background with the Yxy color 18.0082, 0.2497, 0.2663.

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

18.0082, 0.2497, 0.2663

Protanopia

17.9440, 0.2680, 0.2664

Deuteranopia

17.8458, 0.2641, 0.2580



Tritanopia

17.8856, 0.2630, 0.3085

Trichromacy



Original Color

18.0082, 0.2497, 0.2663

Protanomaly

17.8405, 0.2611, 0.2656

Deuteranomaly

17.9392, 0.2585, 0.2607

Tritanomaly

17.9364, 0.2584, 0.2931

Monochromacy



Original Color

18.0082, 0.2497, 0.2663

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4334, 0.2870, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0082, 0.2497, 0.2663 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(92, 120, 153)` looks like.

```
.text, #text, p{  
    color:rgb(92, 120, 153)  
}
```

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(92, 120, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 120, 153) }
```

Border

The CSS property to change the border of an element to Yxy 18.0082, 0.2497, 0.2663 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(92, 120, 153) }
```

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

```
.border{ border-color:rgb(92, 120, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 120, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 120, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 120, 153);  
box-shadow:4px 4px 4px 4px rgb(92, 120,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0082, 0.2497, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 120, 153) }
```

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

```
.background{ background-color: rgb(92, 120,  
153) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor