

Converting Colors

$Y_{xy}(19.5984, 0.2312, 0.2921)$

Have a look what the booklet for
Yxy(19.5984, 0.2312, 0.2921)
contains.

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Color

$Y_{xy}(19.6041, 0.2316, 0.2929)$

Conversions

Conversions Part 1

Format	Color
Hex	3A8496
RGB	58, 132, 150
RGB Percent	23%, 52%, 59%
CMY	0.7726, 0.4823, 0.4117
CMYK	0.61, 0.12, 0.00, 0.41
HSL	192°, 44%, 41%
HSV	192°, 61%, 59%
XYZ	15.5012, 19.6041, 31.8257
YIQ	111.9260, -49.8820, -10.0900

Conversions

Conversions Part 2

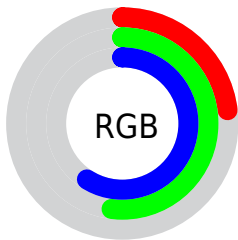
Format	Color
RYB	58, 99, 150
Decimal	3835030
CIELab	51.39, -17.28, -16.55
CIElCh	51, 23.925, 223.755
Yxy	19.6041, 0.2316, 0.2929
Android (android.graphics.Color)	4282025110 (0xFF3A8496)
YUV	111.9260, 18.7705, -47.2931
Hunter-Lab	44.2765, -14.9910, -11.6237

Details


The Yxy color **19.6041, 0.2316, 0.2929** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.9591, 0.4775, 0.3585**, and the grayscale version is **16.1350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6350, 0.2490, 0.3017**, and **6.9354, 0.2102, 0.2766** is the 20% darker color. If you saturate the color by 10%, you get **18.4338, 0.2228, 0.2860**, and if you desaturate by 10%, it is **20.9292, 0.2421, 0.2997**.

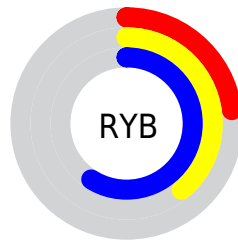
Distribution



 Red (23%)

 Green (52%)

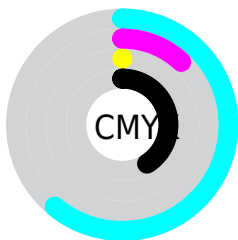
 Blue (59%)





 Red (23%)

 Yellow (39%)

 Blue (59%)

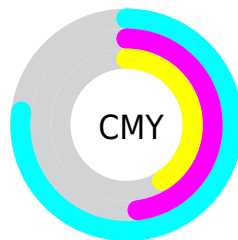


 Cyan (61%)

 Magenta (12%)

 Yellow (0%)

 Black (41%)



 Cyan (77%)

 Magenta (48%)

 Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6041, 0.2316, 0.2929 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 19.6041, 0.2316, 0.2929 by changing the saturation by 10% instead.

■ 19.6041, 0.2316,
0.2929

■ 19.6041, 0.2316,
0.2929

■ 249.7637, 0.2766,
0.3145

■ 12.1076, 0.2188,
0.2860

■ 42.7524, 0.2491,
0.3018

■ 6.8170, 0.2013,
0.2761

■ 59.1730, 0.2553,
0.3048

■ 3.3479, 0.1762,
0.2606

■ 79.3371, 0.2605,
0.3072

■ 1.3160, 0.1381,
0.2341

■ 103.6291, 0.2647,
0.3092

■ 0.1535, 0.0000,
0.1007

■ 132.4334, 0.2684,
0.3108

■ 0.0000, 0.0000,
0.0000

166.1343, 0.2715,

0.3122

205.1163, 0.2742,
0.3134

■ 19.6041, 0.2316,
0.2929

■ 19.6041, 0.2316,
0.2929

■ 18.4338, 0.2228,
0.2860

■ 20.9292, 0.2421,
0.2997

■ 17.4043, 0.2158,
0.2790

■ 22.4175, 0.2540,
0.3062

■ 16.5023, 0.2107,
0.2721

■ 24.0792, 0.2671,
0.3123

■ 15.7932, 0.2073,
0.2661

■ 25.9230, 0.2812,
0.3181

■ 27.9570, 0.2958,
0.3235

■ 30.1886, 0.3107,
0.3284

■ 32.6250, 0.3257,
0.3328

■ 35.2728, 0.3406,
0.3368

■ 38.1385, 0.3551,
0.3403

Harmonies

Analogous

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



19.6041, 0.2470, 0.3337



19.6041, 0.2316, 0.2929



19.6041, 0.2359, 0.2662

Triad

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



19.6041, 0.2316, 0.2929



19.6041, 0.3430, 0.2872



19.6041, 0.3651, 0.4076

Complementary

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



19.6041, 0.2316, 0.2929



11.9591, 0.4775, 0.3585

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.



19.6041, 0.3945, 0.3876



19.6041, 0.2316, 0.2929



19.6041, 0.3821, 0.3191

Square

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



19.6041, 0.2316, 0.2929



19.6041, 0.2975, 0.2650



19.6041, 0.4013, 0.3550



19.6041, 0.3229, 0.4051

Rectangle

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



19.6041, 0.2316, 0.2929



19.6041, 0.2494, 0.2582



19.6041, 0.4013, 0.3550



19.6041, 0.3769, 0.4030

Sweetspot

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



19.6048, 0.2316, 0.2929



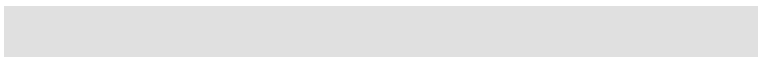
46.7776, 0.2855, 0.3198



23.2217, 0.2929, 0.4887



10.1617, 0.2816, 0.3183



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



19.6048, 0.2316, 0.2929



31.7499, 0.2197, 0.2831



9.9389, 0.2099, 0.1956



6.3714, 0.2990, 0.3246



13.1411, 0.2074, 0.2666



0.2004, 0.2165, 0.2995

Inverse Universe

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



11.1761, 0.3480, 0.2130



16.5008, 0.3586, 0.1958



20.4340, 0.4247, 0.4304



5.8899, 0.3165, 0.3114



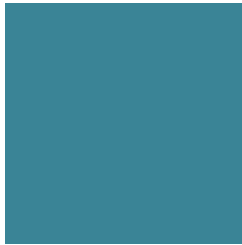
6.5200, 0.3761, 0.1845



0.0838, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 19.6041, 0.2316, 0.2929 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 19.6041, 0.2316, 0.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

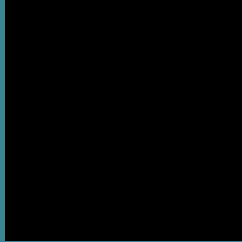
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6041, 0.2316, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 19.6041, 0.2316, 0.2929.

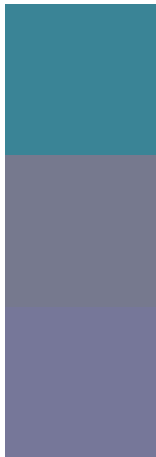


This preview shows how white text looks on a background with the Yxy color 19.6041, 0.2316, 0.2929.

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

19.6041, 0.2316, 0.2929

Protanopia

19.4793, 0.2864, 0.2907

Deuteranopia

19.3451, 0.2753, 0.2687



Tritanopia

19.6009, 0.2344, 0.3064

Trichromacy



Original Color

19.6041, 0.2316, 0.2929

Protanomaly

19.1984, 0.2614, 0.2907

Deuteranomaly

19.1691, 0.2552, 0.2764

Tritanomaly

19.6911, 0.2336, 0.3025

Monochromacy



Original Color

19.6041, 0.2316, 0.2929

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.9753, 0.2737, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6041, 0.2316, 0.2929 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(58, 132, 150)` looks like.

```
.text, #text, p{  
    color:rgb(58, 132, 150)  
}
```

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(58, 132, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 132, 150) }
```

Border

The CSS property to change the border of an element to Yxy 19.6041, 0.2316, 0.2929 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(58, 132, 150) }
```

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

```
.border{ border-color:rgb(58, 132, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 132, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 132, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 132, 150);  
box-shadow:4px 4px 4px 4px rgb(58, 132,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6041, 0.2316, 0.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 132, 150) }
```

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

```
.background{ background-color: rgb(58, 132,  
150) }
```

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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