

Converting Colors

$Y_{xy}(19.7570, 0.2465, 0.2966)$

Have a look what the booklet for
Yxy(19.7570, 0.2465, 0.2966)
contains.

Yxy(19.6915, 0.2460, 0.2956)	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(19.6915, 0.2460, 0.2956)

Conversions

Conversions Part 1

Format	Color
Hex	4E8293
RGB	78, 130, 147
RGB Percent	31%, 51%, 58%
CMY	0.6943, 0.4902, 0.4236
CMYK	0.47, 0.12, 0.00, 0.42
HSL	195°, 31%, 44%
HSV	195°, 47%, 58%
XYZ	16.3874, 19.6915, 30.5365
YIQ	116.3900, -36.4490, -5.7370

Conversions

Conversions Part 2

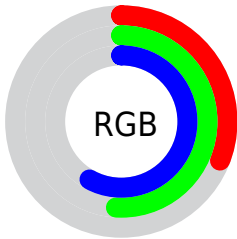
Format	Color
R_{YB}	78, 108, 147
Decimal	5145235
CIE _{Lab}	51.49, -12.60, -14.56
CIE _{LCh}	51, 19.255, 229.115
Yxy	19.6915, 0.2460, 0.2956
Android (android.graphics.Color)	4283335315 (0xFF4E8293)
YUV	116.3900, 15.0907, -33.6680
Hunter-Lab	44.3751, -11.7378, -9.7375

Details

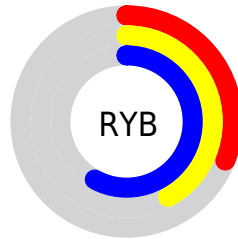
The Yxy color **19.6915, 0.2460, 0.2956** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.9242, 0.4207, 0.3590**, and the grayscale version is **17.5493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9093, 0.2606, 0.3036**, and **6.9115, 0.2213, 0.2829** is the 20% darker color. If you saturate the color by 10%, you get **18.1946, 0.2342, 0.2871**, and if you desaturate by 10%, it is **21.3625, 0.2590, 0.3037**.

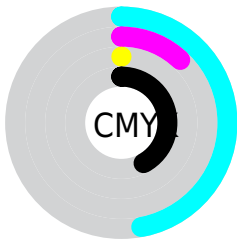
Distribution



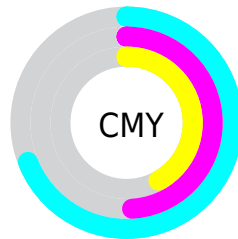
- Red (31%)
- Green (51%)
- Blue (58%)



- Red (31%)
- Yellow (42%)
- Blue (58%)



- Cyan (47%)
- Magenta (12%)
- Yellow (0%)
- Black (42%)



- Cyan (69%)
- Magenta (49%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6915, 0.2460, 0.2956 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 19.6915, 0.2460, 0.2956 by changing the saturation by 10% instead.

■ 19.6915, 0.2460,
0.2956

■ 19.6915, 0.2460,
0.2956

■ 250.2401, 0.2833,
0.3153

■ 12.1710, 0.2352,
0.2894

■ 42.8994, 0.2606,
0.3036

■ 6.8602, 0.2204,
0.2805

■ 59.3555, 0.2657,
0.3063

■ 3.3748, 0.1988,
0.2668

■ 79.5590, 0.2700,
0.3085

■ 1.3304, 0.1650,
0.2433

■ 103.8942, 0.2735,
0.3104

■ 0.1646, 0.0000,
0.1192

■ 132.7455, 0.2765,
0.3119

■ 0.0000, 0.0000,
0.0000

166.4973, 0.2791,

0.3132

205.5340, 0.2813,
0.3143

■ 19.6915, 0.2460,
0.2956

■ 19.6915, 0.2460,
0.2956

■ 18.1946, 0.2342,
0.2871

■ 21.3625, 0.2590,
0.3037

■ 16.8598, 0.2240,
0.2784

■ 23.2141, 0.2729,
0.3113

■ 15.6769, 0.2155,
0.2695

■ 25.2552, 0.2874,
0.3184

■ 14.6336, 0.2088,
0.2605

■ 27.4934, 0.3023,
0.3248

■ 13.7090, 0.2039,
0.2516

■ 29.9359, 0.3172,
0.3307

■ 13.4397, 0.2025,
0.2489

■ 32.5894, 0.3320,
0.3360

■ 35.4603, 0.3465,
0.3408

■ 38.5546, 0.3606,
0.3449

■ 41.8783, 0.3740,
0.3486

Harmonies

Analogous

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



19.6915, 0.2560, 0.3269



19.6915, 0.2460, 0.2956



19.6915, 0.2524, 0.2758

Triad

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



19.6915, 0.2460, 0.2956



19.6915, 0.3435, 0.2992



19.6915, 0.3499, 0.3931

Complementary

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



19.6915, 0.2460, 0.2956



14.9242, 0.4207, 0.3590

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.



19.6915, 0.3757, 0.3808



19.6915, 0.2460, 0.2956



19.6915, 0.3724, 0.3266

Square

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



19.6915, 0.2460, 0.2956



19.6915, 0.3071, 0.2791



19.6915, 0.3843, 0.3560



19.6915, 0.3150, 0.3866

Rectangle

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



19.6915, 0.2460, 0.2956



19.6915, 0.2654, 0.2706



19.6915, 0.3843, 0.3560



19.6915, 0.3599, 0.3909

Sweetspot

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



19.6923, 0.2460, 0.2956



46.2735, 0.2914, 0.3201



23.2915, 0.2933, 0.4381



10.3874, 0.2885, 0.3188



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.



19.6923, 0.2460, 0.2956



32.5416, 0.2340, 0.2870



12.1565, 0.2335, 0.2249



6.3231, 0.2990, 0.3234



11.6932, 0.2026, 0.2494



0.1893, 0.2141, 0.2909

Inverse Universe

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



13.2566, 0.3432, 0.2422



20.1861, 0.3522, 0.2256



22.3419, 0.3931, 0.4142



5.8851, 0.3172, 0.3125



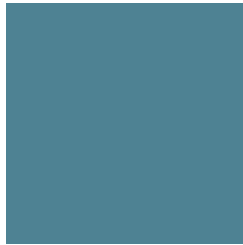
6.3738, 0.3928, 0.1938



0.0827, 0.3535, 0.1721

Previews

White Background



This preview shows how the Yxy color 19.6915, 0.2460, 0.2956 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 19.6915, 0.2460, 0.2956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

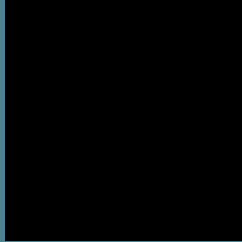
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

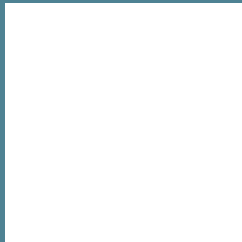
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6915, 0.2460, 0.2956

Background



This preview shows how black text looks on a background with the Yxy color 19.6915, 0.2460, 0.2956.



This preview shows how white text looks on a background with the Yxy color 19.6915, 0.2460, 0.2956.

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

19.6915, 0.2460, 0.2956

Protanopia

19.5198, 0.2885, 0.2925

Deuteranopia

19.5959, 0.2815, 0.2774



Tritanopia

19.6922, 0.2494, 0.3089

Trichromacy



Original Color

19.6915, 0.2460, 0.2956

Protanomaly

19.3415, 0.2709, 0.2931

Deuteranomaly

19.5567, 0.2673, 0.2844

Tritanomaly

19.7935, 0.2487, 0.3051

Monochromacy



Original Color

19.6915, 0.2460, 0.2956

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.0318, 0.2839, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6915, 0.2460, 0.2956 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(78, 130, 147)` looks like.

```
.text, #text, p{  
    color:rgb(78, 130, 147)  
}
```

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(78, 130, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 130, 147) }
```

Border

The CSS property to change the border of an element to Yxy 19.6915, 0.2460, 0.2956 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(78, 130, 147) }
```

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

```
.border{ border-color:rgb(78, 130, 147) }
```

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

Here you see how a box with a 4 pixel rgb(78, 130, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 130, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 130, 147);  
box-shadow:4px 4px 4px 4px rgb(78, 130,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6915, 0.2460, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 130, 147) }
```

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

```
.background{ background-color: rgb(78, 130,  
147) }
```

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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