

Converting Colors

$Y_{xy}(19.5316, 0.3224, 0.2406)$

Have a look what the booklet for
Yxy(19.5316, 0.3224, 0.2406)
contains.

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Color

Yxy(19.5449, 0.3220, 0.2401)

Conversions

Conversions Part 1

Format	Color
Hex	A464A0
RGB	164, 100, 160
RGB Percent	64%, 39%, 63%
CMY	0.3569, 0.6078, 0.3726
CMYK	0.00, 0.39, 0.02, 0.36
HSL	304°, 26%, 52%
HSV	304°, 39%, 64%
XYZ	26.2118, 19.5449, 35.6464
YIQ	125.9760, 18.8840, 32.2280

Conversions

Conversions Part 2

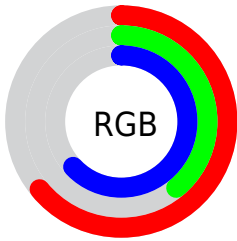
Format	Color
RYB	164, 100, 160
Decimal	10773664
CIELab	51.32, 35.29, -21.78
CIELCh	51, 41.465, 328.322
Yxy	19.5449, 0.3220, 0.2401
Android (android.graphics.Color)	4288963744 (0xFFA464A0)
YUV	125.9760, 16.7738, 33.3470
Hunter-Lab	44.2096, 28.4656, -16.8591

Details

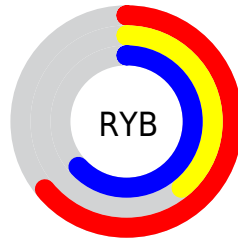
The Yxy color **19.5449, 0.3220, 0.2401** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.2606, 0.3043, 0.4378**, and the grayscale version is **20.7932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5784, 0.3207, 0.2576**, and **6.8299, 0.3241, 0.2119** is the 20% darker color. If you saturate the color by 10%, you get **16.6742, 0.3247, 0.2192**, and if you desaturate by 10%, it is **23.0509, 0.3194, 0.2626**.

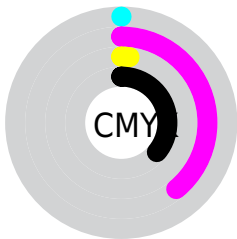
Distribution



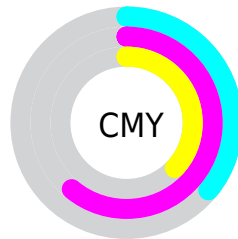
- Red (64%)
- Green (39%)
- Blue (63%)



- Red (64%)
- Yellow (39%)
- Blue (63%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (36%)





- Cyan (36%)
- Magenta (61%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5449, 0.3220, 0.2401 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 19.5449, 0.3220, 0.2401 by changing the saturation by 10% instead.

 19.5449, 0.3220,
0.2401


 19.5449, 0.3220,
0.2401


249.4406, 0.3181,
0.2874


 12.0647, 0.3226,
0.2274


 42.6528, 0.3208,
0.2580


 6.7877, 0.3231,
0.2106


 59.0493, 0.3203,
0.2645

 3.3297, 0.3231,
0.1875

 79.1867, 0.3198,
0.2699

 1.3062, 0.3214,
0.1541

 103.4494, 0.3194,
0.2745

 0.1460, 0.3334,
0.0482

132.2217, 0.3190,
0.2784

 0.0000, 0.0000,
0.0000

165.8881, 0.3187,

0.2818

204.8329, 0.3184,
0.2848

■ 19.5449, 0.3220,
0.2401

■ 19.5449, 0.3220,
0.2401

■ 16.6742, 0.3247,
0.2192

■ 23.0509, 0.3194,
0.2626

■ 14.3979, 0.3274,
0.2006

■ 27.2247, 0.3169,
0.2857

■ 12.6747, 0.3301,
0.1854


■ 32.0995, 0.3146,
0.3088

■ 11.4565, 0.3326,
0.1741


■ 37.7057, 0.3125,
0.3312


■ 10.6873, 0.3349,
0.1670

■ 44.0719, 0.3107,
0.3525

 10.2551, 0.3369,
0.1634

 51.2252, 0.3090,
0.3725

 10.2169, 0.3371,
0.1631

 59.1912, 0.3076,
0.3911

 67.9944, 0.3063,
0.4081

 77.6585, 0.3052,
0.4237

Harmonies

Analogous

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



19.5449, 0.2499, 0.2160



19.5449, 0.3220, 0.2401



19.5449, 0.4005, 0.2823

Triad

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



19.5449, 0.3220, 0.2401



19.5449, 0.4274, 0.4441



19.5449, 0.1881, 0.2962

Complementary

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



19.5449, 0.3220, 0.2401



30.2606, 0.3043, 0.4378

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.



19.5449, 0.2256, 0.3768



19.5449, 0.3220, 0.2401



19.5449, 0.3631, 0.4715

Square

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



19.5449, 0.3220, 0.2401



19.5449, 0.4635, 0.3925



19.5449, 0.2891, 0.4488



19.5449, 0.1805, 0.2400

Rectangle

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



19.5449, 0.3220, 0.2401



19.5449, 0.4414, 0.3171



19.5449, 0.2891, 0.4488



19.5449, 0.1972, 0.3213

Sweetspot

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



19.5458, 0.3220, 0.2401



55.2883, 0.3153, 0.3014



14.6913, 0.2459, 0.2140



11.8486, 0.3156, 0.2986



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.



19.5458, 0.3220, 0.2401



30.8033, 0.3244, 0.2214



18.5876, 0.3640, 0.2841



7.1945, 0.3147, 0.3082



7.8364, 0.3369, 0.1630



0.1668, 0.3306, 0.1595

Inverse Universe

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



19.5458, 0.3220, 0.2401



30.8033, 0.3244, 0.2214



31.0159, 0.2805, 0.3796



7.1945, 0.3147, 0.3082



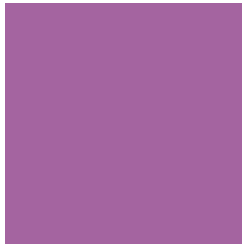
7.8364, 0.3369, 0.1630



0.1668, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 19.5449, 0.3220, 0.2401 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 19.5449, 0.3220, 0.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

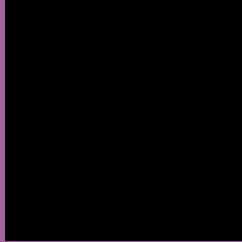
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5449, 0.3220, 0.2401

Background



This preview shows how black text looks on a background with the Yxy color 19.5449, 0.3220, 0.2401.



This preview shows how white text looks on a background with the Yxy color 19.5449, 0.3220, 0.2401.

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

19.5449, 0.3220, 0.2401

Protanopia

19.8126, 0.2437, 0.2355

Deuteranopia

19.6151, 0.2715, 0.2656



Tritanopia

19.5926, 0.3708, 0.3162

Trichromacy



Original Color

19.5449, 0.3220, 0.2401

Protanomaly

19.1482, 0.2671, 0.2350

Deuteranomaly

19.3129, 0.2886, 0.2554

Tritanomaly

19.5786, 0.3523, 0.2864

Monochromacy



Original Color

19.5449, 0.3220, 0.2401

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1330, 0.3169, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5449, 0.3220, 0.2401 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(164, 100, 160)` looks like.

```
.text, #text, p{  
    color:rgb(164, 100, 160)  
}
```

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(164, 100, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 100, 160) }
```

Border

The CSS property to change the border of an element to Yxy 19.5449, 0.3220, 0.2401 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(164, 100, 160) }
```

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

```
.border{ border-color:rgb(164, 100, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 100, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 100, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 100, 160);  
box-shadow:4px 4px 4px 4px rgb(164, 100,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5449, 0.3220, 0.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 100, 160) }
```

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

```
.background{ background-color: rgb(164,  
100, 160) }
```

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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