

Converting Colors

$Y_{xy}(20.2850, 0.3162, 0.2392)$

Have a look what the booklet for
Yxy(20.2850, 0.3162, 0.2392)
contains.

Yxy(20.2733, 0.3169, 0.2392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2733, 0.3169, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	A467A4
RGB	164, 103, 164
RGB Percent	64%, 40%, 64%
CMY	0.3569, 0.5960, 0.3568
CMYK	0.00, 0.37, 0.00, 0.36
HSL	300°, 25%, 52%
HSV	300°, 37%, 64%
XYZ	26.8587, 20.2733, 37.6226
YIQ	128.1930, 16.7750, 31.9030

Conversions

Conversions Part 2

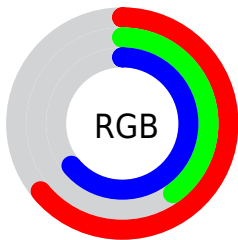
Format	Color
R_{YB}	164, 103, 164
Decimal	10774436
CIE _{Lab}	52.14, 34.38, -22.85
CIE _{LCh}	52, 41.284, 326.389
Yxy	20.2733, 0.3169, 0.2392
Android (android.graphics.Color)	4288964516 (0xFFA467A4)
YUV	128.1930, 17.6529, 31.4027
Hunter-Lab	45.0259, 27.6831, -18.0232

Details

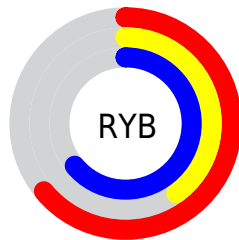
The Yxy color $20.2733, 0.3169, 0.2392$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $30.4186, 0.3076, 0.4388$, and the grayscale version is $21.5907, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.7728, 0.3170, 0.2569$, and $7.1877, 0.3164, 0.2106$ is the 20% darker color. If you saturate the color by 10%, you get $17.3243, 0.3179, 0.2170$, and if you desaturate by 10%, it is $23.8641, 0.3158, 0.2630$.

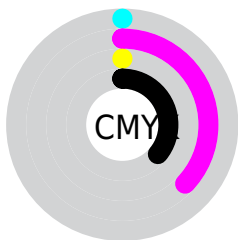
Distribution



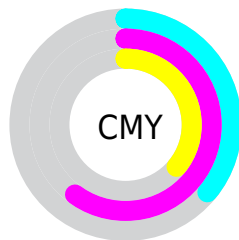
- Red (64%)
- Green (40%)
- Blue (64%)



- Red (64%)
- Yellow (40%)
- Blue (64%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (36%)





- Cyan (36%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2733, 0.3169, 0.2392 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 20.2733, 0.3169, 0.2392 by changing the saturation by 10% instead.


 20.2733, 0.3169,
0.2392


 20.2733, 0.3169,
0.2392


253.3908, 0.3159,
0.2867


 12.5939, 0.3167,
0.2266


 43.8749, 0.3168,
0.2571


 7.1495, 0.3160,
0.2099


 60.5659, 0.3167,
0.2636

 3.5558, 0.3144,
0.1871


 81.0295, 0.3166,
0.2690

 1.4283, 0.3103,
0.1544

 105.6501, 0.3164,
0.2737

 0.2374, 0.3117,
0.0682

134.8122, 0.3163,
0.2776

 0.0000, 0.0193,
0.0000

168.9001, 0.3161,

 0.0000, 0.0000,

0.2811

0.0000

208.2981, 0.3160,
0.2841

■ 20.2733, 0.3169,
0.2392

■ 20.2733, 0.3169,
0.2392

■ 17.3243, 0.3179,
0.2170

■ 23.8641, 0.3158,
0.2630

■ 14.9767, 0.3188,
0.1973

■ 28.1284, 0.3147,
0.2875

■ 13.1900, 0.3196,
0.1808

■ 33.0993, 0.3135,
0.3119

■ 11.9174, 0.3202,
0.1683

■ 38.8067, 0.3124,
0.3356


■ 11.1047, 0.3206,
0.1598

■ 45.2790, 0.3114,
0.3581


 10.6674, 0.3208,
0.1552

 52.5428, 0.3104,
0.3793

 10.5672, 0.3208,
0.1541

 60.6238, 0.3095,
0.3988

 69.5462, 0.3086,
0.4167

 79.3333, 0.3079,
0.4331

Harmonies

Analogous

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



20.2733, 0.2470, 0.2167



20.2733, 0.3169, 0.2392



20.2733, 0.3945, 0.2800

Triad

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



20.2733, 0.3169, 0.2392



20.2733, 0.4292, 0.4398



20.2733, 0.1913, 0.3014

Complementary

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



20.2733, 0.3169, 0.2392



30.4186, 0.3076, 0.4388

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.



20.2733, 0.2303, 0.3814



20.2733, 0.3169, 0.2392



20.2733, 0.3671, 0.4687

Square

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



20.2733, 0.3169, 0.2392



20.2733, 0.4621, 0.3883



20.2733, 0.2943, 0.4498



20.2733, 0.1819, 0.2441

Rectangle

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



20.2733, 0.3169, 0.2392



20.2733, 0.4361, 0.3140



20.2733, 0.2943, 0.4498



20.2733, 0.2011, 0.3267

Sweetspot

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



20.2742, 0.3169, 0.2392



56.2941, 0.3140, 0.3021



15.4712, 0.2467, 0.2213



12.0551, 0.3141, 0.2990



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.



20.2742, 0.3169, 0.2392



32.0981, 0.3178, 0.2199



19.3320, 0.3550, 0.2801



7.2021, 0.3137, 0.3068



8.1017, 0.3208, 0.1541



0.1703, 0.3209, 0.1541

Inverse Universe

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



18.5761, 0.4008, 0.3292



28.5428, 0.4327, 0.3293



31.1172, 0.2849, 0.3842



7.0860, 0.3285, 0.3290



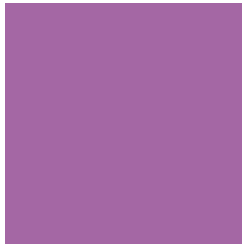
6.0517, 0.6400, 0.3299



0.1272, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 20.2733, 0.3169, 0.2392 looks on a white background.

Color Contrast Check

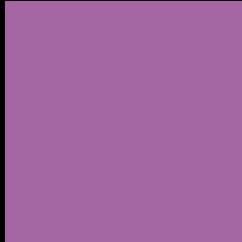
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2733, 0.3169, 0.2392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

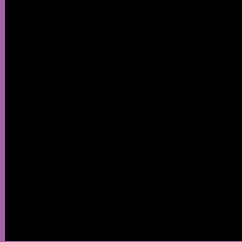
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2733, 0.3169, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 20.2733, 0.3169, 0.2392.



This preview shows how white text looks on a background with the Yxy color 20.2733, 0.3169, 0.2392.

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

20.2733, 0.3169, 0.2392

Protanopia

20.5464, 0.2437, 0.2353

Deuteranopia

20.5555, 0.2694, 0.2650



Tritanopia

20.2379, 0.3628, 0.3145

Trichromacy



Original Color

20.2733, 0.3169, 0.2392

Protanomaly

20.1360, 0.2660, 0.2351

Deuteranomaly

20.2149, 0.2858, 0.2549

Tritanomaly

20.2170, 0.3449, 0.2848

Monochromacy



Original Color

20.2733, 0.3169, 0.2392

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.7795, 0.3145, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2733, 0.3169, 0.2392 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, 103, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 103, 164)  
}
```

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, 103, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 103, 164) }
```

Border

The CSS property to change the border of an element to Yxy 20.2733, 0.3169, 0.2392 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, 103, 164) }
```

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

```
.border{ border-color:rgb(164, 103, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 103, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 103, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 103, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 103,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2733, 0.3169, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 103, 164) }
```

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

```
.background{ background-color: rgb(164,  
103, 164) }
```

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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