

Converting Colors

$Y_{xy}(20.5709, 0.3384, 0.2393)$

Have a look what the booklet for
Yxy(20.5709, 0.3384, 0.2393)
contains.

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Color

Yxy(20.5876, 0.3387, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	B261A1
RGB	178, 97, 161
RGB Percent	70%, 38%, 63%
CMY	0.3020, 0.6196, 0.3686
CMYK	0.00, 0.45, 0.10, 0.30
HSL	313°, 34%, 54%
HSV	313°, 45%, 70%
XYZ	29.0664, 20.5876, 36.1635
YIQ	128.5150, 27.7320, 37.0760

Conversions

Conversions Part 2

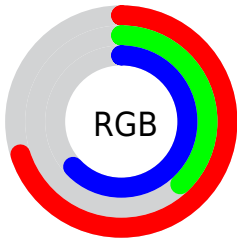
Format	Color
R_{YB}	178, 97, 161
Decimal	11690401
CIE _{Lab}	52.50, 41.63, -20.41
CIE _{LCh}	52, 46.360, 333.880
Yxy	20.5876, 0.3387, 0.2399
Android (android.graphics.Color)	4289880481 (0xFFB261A1)
YUV	128.5150, 16.0151, 43.3983
Hunter-Lab	45.3736, 34.9436, -15.4936

Details

The Yxy color **20.5876, 0.3387, 0.2399** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.5932, 0.2949, 0.4394**, and the grayscale version is **21.7117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4327, 0.3337, 0.2576**, and **7.2691, 0.3459, 0.2112** is the 20% darker color. If you saturate the color by 10%, you get **17.5300, 0.3463, 0.2225**, and if you desaturate by 10%, it is **24.3890, 0.3317, 0.2590**.

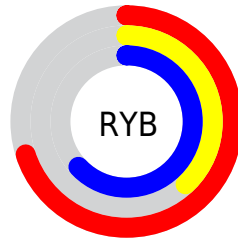
Distribution



Red (70%)

Green (38%)

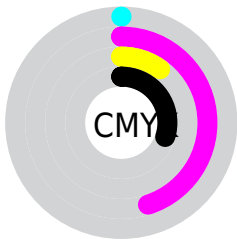
Blue (63%)



Red (70%)

Yellow (38%)

Blue (63%)

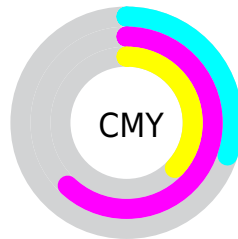


Cyan (0%)

Magenta (45%)

Yellow (10%)

Black (30%)



Cyan (30%)


Magenta (62%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5876, 0.3387, 0.2399 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 20.5876, 0.3387, 0.2399 by changing the saturation by 10% instead.


 20.5876, 0.3387,
0.2399


 20.5876, 0.3387,
0.2399


255.0786, 0.3255,
0.2868


 12.8229, 0.3420,
0.2275


 44.4002, 0.3339,
0.2575

 7.3067, 0.3461,
0.2112


 61.2168, 0.3321,
0.2639

 3.6546, 0.3514,
0.1889


 81.8196, 0.3306,
0.2693

 1.4823, 0.3582,
0.1570

 106.5928, 0.3293,
0.2739

 0.2762, 0.3793,
0.0771

135.9209, 0.3282,
0.2778

 0.0000, 0.3025,
0.0000

170.1884, 0.3272,

 0.0000, 0.0000,

0.2812

0.0000

209.7795, 0.3263,
0.2842

■ 20.5876, 0.3387,
0.2399

■ 20.5876, 0.3387,
0.2399

■ 17.5300, 0.3463,
0.2225

■ 24.3890, 0.3317,
0.2590

■ 15.1633, 0.3543,
0.2079

■ 28.9766, 0.3254,
0.2790

■ 13.4323, 0.3625,
0.1969

■ 34.3931, 0.3199,
0.2990

■ 12.2721, 0.3707,
0.1902

■ 40.6773, 0.3151,
0.3186

■ 11.6011, 0.3786,
0.1881

■ 47.8656, 0.3109,
0.3373

■ 11.3768, 0.3821,
0.1879

■ 55.9921, 0.3074,
0.3549

■ 65.0893, 0.3044,
0.3713

■ 75.1881, 0.3019,
0.3865

■ 84.9057, 0.2998,
0.3982

Harmonies

Analogous

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



20.5876, 0.2568, 0.2101



20.5876, 0.3387, 0.2399



20.5876, 0.4232, 0.2878

Triad

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



20.5876, 0.3387, 0.2399



20.5876, 0.4250, 0.4618



20.5876, 0.1738, 0.2780

Complementary

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



20.5876, 0.3387, 0.2399



35.5932, 0.2949, 0.4394

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.



20.5876, 0.2075, 0.3639



20.5876, 0.3387, 0.2399



20.5876, 0.3513, 0.4865

Square

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



20.5876, 0.3387, 0.2399



20.5876, 0.4727, 0.4070



20.5876, 0.2715, 0.4507



20.5876, 0.1719, 0.2242

Rectangle

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



20.5876, 0.3387, 0.2399



20.5876, 0.4631, 0.3258



20.5876, 0.2715, 0.4507



20.5876, 0.1814, 0.3038

Sweetspot

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



20.5886, 0.3387, 0.2399



63.7198, 0.3193, 0.3015



15.2897, 0.2439, 0.1948



13.6135, 0.3204, 0.2973



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.5886, 0.3387, 0.2399



31.5717, 0.3466, 0.2218



19.4030, 0.3951, 0.2937



8.6156, 0.3168, 0.3112



8.1507, 0.3813, 0.1874



0.2641, 0.3615, 0.1765

Inverse Universe

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



20.5886, 0.3387, 0.2399



31.5717, 0.3466, 0.2218



36.7014, 0.2680, 0.3689



8.6156, 0.3168, 0.3112



8.1507, 0.3813, 0.1874



0.2641, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 20.5876, 0.3387, 0.2399 looks on a white background.

Color Contrast Check

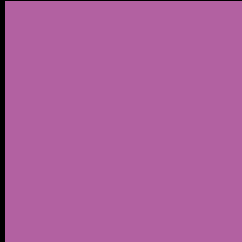
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5876, 0.3387, 0.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

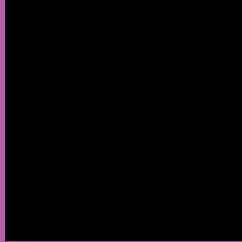
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5876, 0.3387, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 20.5876, 0.3387, 0.2399.



This preview shows how white text looks on a background with the Yxy color 20.5876, 0.3387, 0.2399.

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

20.5876, 0.3387, 0.2399

Protanopia

20.8773, 0.2426, 0.2343

Deuteranopia

20.7038, 0.2772, 0.2719



Tritanopia

20.6374, 0.3932, 0.3171

Trichromacy



Original Color

20.5876, 0.3387, 0.2399

Protanomaly

20.0772, 0.2710, 0.2332

Deuteranomaly

20.2540, 0.2969, 0.2576

Tritanomaly

20.4804, 0.3731, 0.2862

Monochromacy



Original Color

20.5876, 0.3387, 0.2399

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

20.8487, 0.3220, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5876, 0.3387, 0.2399 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(178, 97, 161)` looks like.

```
.text, #text, p{  
  color:rgb(178, 97, 161)  
}
```

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(178, 97, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 97, 161) }
```

Border

The CSS property to change the border of an element to Yxy 20.5876, 0.3387, 0.2399 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(178, 97, 161) }
```

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

```
.border{ border-color:rgb(178, 97, 161) }
```

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

Here you see how a box with a 4 pixel rgb(178, 97, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 97, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 97, 161);  
box-shadow:4px 4px 4px 4px rgb(178, 97,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5876, 0.3387, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 97, 161) }
```

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

```
.background{ background-color: rgb(178, 97,  
161) }
```

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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