

Converting Colors

$Y_{xy}(20.2587, 0.3077, 0.2475)$

Have a look what the booklet for
Yxy(20.2587, 0.3077, 0.2475)
contains.

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Color

Yxy(20.1684, 0.3080, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	9A6CA1
RGB	154, 108, 161
RGB Percent	60%, 42%, 63%
CMY	0.3959, 0.5765, 0.3686
CMYK	0.04, 0.33, 0.00, 0.37
HSL	292°, 22%, 53%
HSV	292°, 33%, 63%
XYZ	25.1289, 20.1684, 36.2901
YIQ	127.7960, 10.4030, 26.2350

Conversions

Conversions Part 2

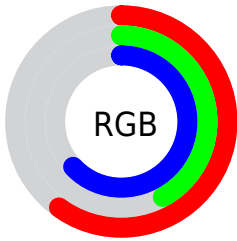
Format	Color
R_{YB}	154, 108, 161
Decimal	10120353
CIE _{Lab}	52.03, 27.69, -21.38
CIE _{LCh}	52, 34.982, 322.328
Yxy	20.1684, 0.3080, 0.2472
Android (android.graphics.Color)	4288310433 (0xFF9A6CA1)
YUV	127.7960, 16.3696, 22.9809
Hunter-Lab	44.9092, 21.2883, -16.4743

Details

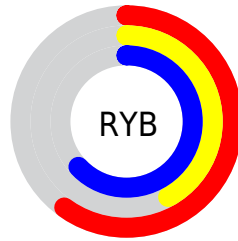
The Yxy color $20.1684, 0.3080, 0.2472$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $30.2158, 0.3146, 0.4223$, and the grayscale version is $21.4527, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.6548, 0.3095, 0.2636$, and $7.0568, 0.3047, 0.2193$ is the 20% darker color. If you saturate the color by 10%, you get $16.8760, 0.3058, 0.2226$, and if you desaturate by 10%, it is $24.0933, 0.3098, 0.2725$.

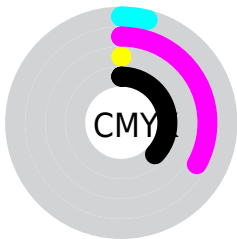
Distribution



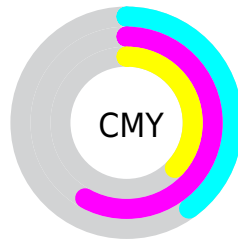
- Red (60%)
- Green (42%)
- Blue (63%)



- Red (60%)
- Yellow (42%)
- Blue (63%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)
- Black (37%)




- Cyan (40%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1684, 0.3080, 0.2472 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 20.1684, 0.3080, 0.2472 by changing the saturation by 10% instead.


 20.1684, 0.3080,
0.2472


 20.1684, 0.3080,
0.2472


252.8253, 0.3117,
0.2910


 12.5175, 0.3065,
0.2354


 43.6993, 0.3097,
0.2638

 7.0972, 0.3042,
0.2196


 60.3482, 0.3102,
0.2698

 3.5229, 0.3002,
0.1977

 80.7651, 0.3106,
0.2748

 1.4105, 0.2926,
0.1658

 105.3346, 0.3109,
0.2791

 0.2244, 0.2890,
0.0729

134.4409, 0.3112,
0.2827

 0.0000, 0.0000,
0.0000

168.4686, 0.3114,

0.2858

207.8019, 0.3115,
0.2885

■ 20.1684, 0.3080,
0.2472

■ 20.1684, 0.3080,
0.2472

■ 16.8760, 0.3058,
0.2226

■ 24.0933, 0.3098,
0.2725

■ 14.1789, 0.3033,
0.1996

■ 28.6801, 0.3113,
0.2977

■ 12.0401, 0.3004,
0.1791


■ 33.9594, 0.3124,
0.3221

■ 10.4172, 0.2973,
0.1622


■ 39.9592, 0.3133,
0.3452


■ 9.2617, 0.2940,
0.1492

■ 46.7059, 0.3139,
0.3669

 8.5162, 0.2907,
0.1406

 54.2245, 0.3143,
0.3869

 8.1376, 0.2883,
0.1362

 62.5390, 0.3145,
0.4053

 71.6722, 0.3146,
0.4220

 81.6461, 0.3146,
0.4371

Harmonies

Analogous

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



20.1684, 0.2497, 0.2300



20.1684, 0.3080, 0.2472



20.1684, 0.3740, 0.2814

Triad

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



20.1684, 0.3080, 0.2472



20.1684, 0.4192, 0.4207



20.1684, 0.2110, 0.3153

Complementary

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



20.1684, 0.3080, 0.2472



30.2158, 0.3146, 0.4223

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.



20.1684, 0.2491, 0.3823



20.1684, 0.3080, 0.2472



20.1684, 0.3691, 0.4463

Square

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



20.1684, 0.3080, 0.2472



20.1684, 0.4414, 0.3760



20.1684, 0.3067, 0.4346



20.1684, 0.1986, 0.2622

Rectangle

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



20.1684, 0.3080, 0.2472



20.1684, 0.4113, 0.3109



20.1684, 0.3067, 0.4346



20.1684, 0.2210, 0.3372

Sweetspot

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



20.1693, 0.3080, 0.2472



53.8287, 0.3116, 0.3045



18.0337, 0.2569, 0.2470



11.5435, 0.3115, 0.3012



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.1693, 0.3080, 0.2472



31.4143, 0.3063, 0.2279



20.2391, 0.3405, 0.2766



7.1548, 0.3117, 0.3067



6.5111, 0.2886, 0.1364



0.1490, 0.3011, 0.1432

Inverse Universe

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



19.5356, 0.3768, 0.3180



30.1440, 0.3995, 0.3153



30.2229, 0.2926, 0.3881



7.1004, 0.3265, 0.3261



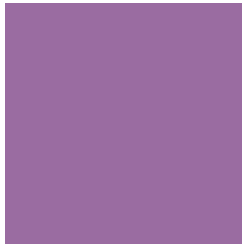
6.0989, 0.6199, 0.3188



0.1323, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 20.1684, 0.3080, 0.2472 looks on a white background.

Color Contrast Check

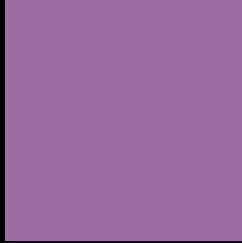
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1684, 0.3080, 0.2472 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 20.1684, 0.3080, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 20.1684, 0.3080, 0.2472.



This preview shows how white text looks on a background with the Yxy color 20.1684, 0.3080, 0.2472.

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

20.1684, 0.3080, 0.2472

Protanopia

20.4595, 0.2516, 0.2456

Deuteranopia

20.3096, 0.2721, 0.2664



Tritanopia

20.1063, 0.3460, 0.3139

Trichromacy



Original Color

20.1684, 0.3080, 0.2472

Protanomaly

20.2196, 0.2696, 0.2461

Deuteranomaly

20.1313, 0.2846, 0.2588

Tritanomaly

19.9738, 0.3327, 0.2880

Monochromacy



Original Color

20.1684, 0.3080, 0.2472

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.8866, 0.3106, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1684, 0.3080, 0.2472 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(154, 108, 161)` looks like.

```
.text, #text, p{  
    color:rgb(154, 108, 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(154, 108, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 108, 161) }
```

Border

The CSS property to change the border of an element to Yxy 20.1684, 0.3080, 0.2472 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(154, 108, 161) }
```

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

```
.border{ border-color:rgb(154, 108, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 108, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 108, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 108, 161);  
box-shadow:4px 4px 4px 4px rgb(154, 108,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1684, 0.3080, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 108, 161) }
```

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

```
.background{ background-color: rgb(154,  
108, 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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