

Converting Colors

$Y_{xy}(20.3234, 0.3119, 0.2485)$

Have a look what the booklet for
Yxy(20.3234, 0.3119, 0.2485)
contains.

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Color

Yxy(20.4313, 0.3127, 0.2495)

Conversions

Conversions Part 1

Format	Color
Hex	9D6CA0
RGB	157, 108, 160
RGB Percent	62%, 42%, 63%
CMY	0.3845, 0.5764, 0.3726
CMYK	0.02, 0.32, 0.00, 0.37
HSL	296°, 21%, 53%
HSV	296°, 32%, 63%
XYZ	25.6067, 20.4313, 35.8510
YIQ	128.5790, 12.5120, 26.5600

Conversions

Conversions Part 2

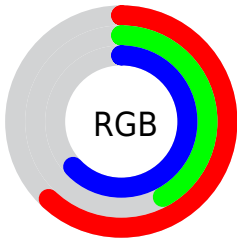
Format	Color
R_{YB}	157, 108, 160
Decimal	10316960
CIE _{Lab}	52.32, 28.44, -20.31
CIE _{LCh}	52, 34.948, 324.469
Yxy	20.4313, 0.3127, 0.2495
Android (android.graphics.Color)	4288507040 (0xFF9D6CA0)
YUV	128.5790, 15.4906, 24.9252
Hunter-Lab	45.2010, 22.0198, -15.3849

Details

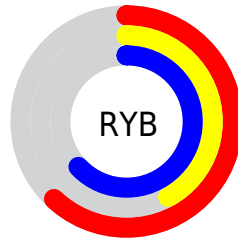
The Yxy color $20.4313, 0.3127, 0.2495$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.6078, 0.3111, 0.4217$, and the grayscale version is $21.7402, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0450, 0.3130, 0.2652$, and $7.2139, 0.3120, 0.2229$ is the 20% darker color. If you saturate the color by 10%, you get $17.2669, 0.3123, 0.2257$, and if you desaturate by 10%, it is $24.2176, 0.3129, 0.2742$.

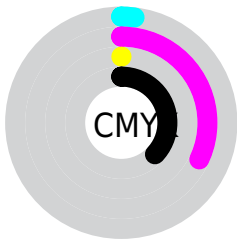
Distribution



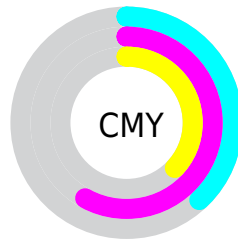
- Red (62%)
- Green (42%)
- Blue (63%)



- Red (62%)
- Yellow (42%)
- Blue (63%)



- Cyan (2%)
- Magenta (32%)
- Yellow (0%)
- Black (37%)





- Cyan (38%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4313, 0.3127, 0.2495 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 20.4313, 0.3127, 0.2495 by changing the saturation by 10% instead.


 20.4313, 0.3127,
0.2495


 20.4313, 0.3127,
0.2495


254.2405, 0.3137,
0.2920


 12.7089, 0.3120,
0.2380


 44.1391, 0.3134,
0.2656


 7.2284, 0.3108,
0.2227


 60.8934, 0.3135,
0.2715

 3.6054, 0.3084,
0.2014

 81.4270, 0.3136,
0.2763

 1.4554, 0.3034,
0.1703

 106.1245, 0.3137,
0.2804

 0.2570, 0.3038,
0.0829

135.3702, 0.3137,
0.2839

 0.0000, 0.0000,
0.0000

169.5485, 0.3137,

0.2870

209.0438, 0.3137,
0.2896

■ 20.4313, 0.3127,
0.2495

■ 20.4313, 0.3127,
0.2495

■ 17.2669, 0.3123,
0.2257

■ 24.2176, 0.3129,
0.2742

■ 14.6878, 0.3118,
0.2038

■ 28.6544, 0.3129,
0.2989

■ 12.6577, 0.3110,
0.1846


■ 33.7719, 0.3128,
0.3231

■ 11.1352, 0.3100,
0.1690


■ 39.5975, 0.3125,
0.3463

■ 10.0730, 0.3088,
0.1574


■ 46.1571, 0.3122,
0.3680


 9.4148, 0.3075,
0.1500

 53.4754, 0.3119,
0.3882

 9.0841, 0.3065,
0.1462

 61.5757, 0.3115,
0.4067

 70.4807, 0.3111,
0.4237

 80.2119, 0.3106,
0.4390

Harmonies

Analogous

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



20.4313, 0.2536, 0.2310



20.4313, 0.3127, 0.2495



20.4313, 0.3781, 0.2846

Triad

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



20.4313, 0.3127, 0.2495



20.4313, 0.4159, 0.4229



20.4313, 0.2097, 0.3109

Complementary

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



20.4313, 0.3127, 0.2495



29.6078, 0.3111, 0.4217

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.



20.4313, 0.2460, 0.3774



20.4313, 0.3127, 0.2495



20.4313, 0.3647, 0.4463

Square

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



20.4313, 0.3127, 0.2495



20.4313, 0.4404, 0.3793



20.4313, 0.3023, 0.4314



20.4313, 0.1992, 0.2597

Rectangle

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



20.4313, 0.3127, 0.2495



20.4313, 0.4140, 0.3143



20.4313, 0.3023, 0.4314



20.4313, 0.2191, 0.3324

Sweetspot

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



20.4322, 0.3127, 0.2495



54.0484, 0.3129, 0.3046



17.2031, 0.2570, 0.2420



11.5978, 0.3129, 0.3013



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.



20.4322, 0.3127, 0.2495



32.8148, 0.3125, 0.2321



20.0231, 0.3445, 0.2826



6.7348, 0.3129, 0.3069



7.0832, 0.3066, 0.1463



0.1320, 0.3127, 0.1497

Inverse Universe

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



19.3523, 0.3809, 0.3243



30.5659, 0.4036, 0.3232



29.9572, 0.2901, 0.3808



6.6521, 0.3275, 0.3277



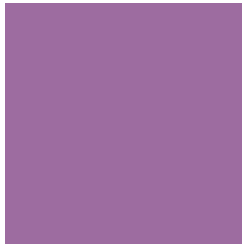
5.8401, 0.6318, 0.3254



0.1061, 0.5941, 0.3047

Previews

White Background



This preview shows how the Yxy color 20.4313, 0.3127, 0.2495 looks on a white background.

Color Contrast Check

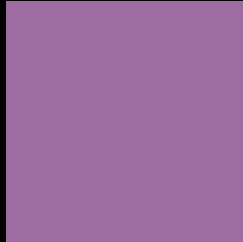
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4313, 0.3127, 0.2495 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 20.4313, 0.3127, 0.2495

Background



This preview shows how black text looks on a background with the Yxy color 20.4313, 0.3127, 0.2495.



This preview shows how white text looks on a background with the Yxy color 20.4313, 0.3127, 0.2495.

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

20.4313, 0.3127, 0.2495

Protanopia

20.4857, 0.2533, 0.2473

Deuteranopia

20.6652, 0.2752, 0.2701



Tritanopia

20.3921, 0.3499, 0.3141

Trichromacy



Original Color

20.4313, 0.3127, 0.2495

Protanomaly

20.3361, 0.2726, 0.2480

Deuteranomaly

20.4938, 0.2879, 0.2624

Tritanomaly

20.2645, 0.3365, 0.2885

Monochromacy



Original Color

20.4313, 0.3127, 0.2495

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.0572, 0.3130, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4313, 0.3127, 0.2495 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(157, 108, 160)` looks like.

```
.text, #text, p{  
    color:rgb(157, 108, 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(157, 108, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 108, 160) }
```

Border

The CSS property to change the border of an element to Yxy 20.4313, 0.3127, 0.2495 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(157, 108, 160) }
```

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

```
.border{ border-color:rgb(157, 108, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 108, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 108, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 108, 160);  
box-shadow:4px 4px 4px 4px rgb(157, 108,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4313, 0.3127, 0.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 108, 160) }
```

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

```
.background{ background-color: rgb(157,  
108, 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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