

Converting Colors

$Y_{xy}(19.7171, 0.3313, 0.2659)$

Have a look what the booklet for
Yxy(19.7171, 0.3313, 0.2659)
contains.

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Color

Yxy(19.6525, 0.3312, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	9E6A92
RGB	158, 106, 146
RGB Percent	62%, 42%, 57%
CMY	0.3804, 0.5843, 0.4274
CMYK	0.00, 0.33, 0.08, 0.38
HSL	314°, 21%, 52%
HSV	314°, 33%, 62%
XYZ	24.4420, 19.6525, 29.7038
YIQ	126.1080, 18.1520, 23.4640

Conversions

Conversions Part 2

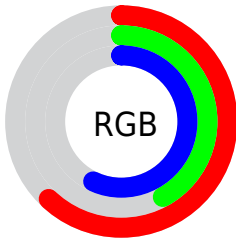
Format	Color
R_{YB}	158, 106, 146
Decimal	10381970
CIE _{Lab}	51.44, 27.26, -13.43
CIE _{LCh}	51, 30.389, 333.767
Yxy	19.6525, 0.3312, 0.2663
Android (android.graphics.Color)	4288572050 (0xFF9E6A92)
YUV	126.1080, 9.8068, 27.9693
Hunter-Lab	44.3311, 20.8366, -8.6951

Details

The Yxy color **19.6525, 0.3312, 0.2663** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.8226, 0.2985, 0.4013**, and the grayscale version is **20.8647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7700, 0.3271, 0.2793**, and **6.8166, 0.3391, 0.2440** is the 20% darker color. If you saturate the color by 10%, you get **16.5798, 0.3385, 0.2474**, and if you desaturate by 10%, it is **23.3305, 0.3247, 0.2857**.

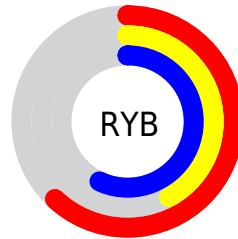
Distribution



Red (62%)

Green (42%)

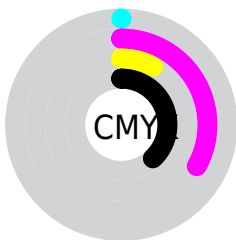
Blue (57%)



Red (62%)

Yellow (42%)

Blue (57%)

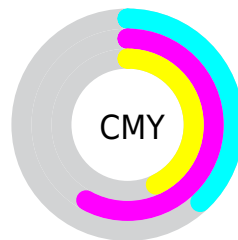


Cyan (0%)

Magenta (33%)

Yellow (8%)

Black (38%)



Cyan (38%)


Magenta (58%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6525, 0.3312, 0.2663 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 19.6525, 0.3312, 0.2663 by changing the saturation by 10% instead.


 19.6525, 0.3312,
0.2663


 19.6525, 0.3312,
0.2663


250.0276, 0.3214,
0.3005


 12.1427, 0.3338,
0.2567


 42.8338, 0.3275,
0.2794


 6.8409, 0.3373,
0.2438


 59.2741, 0.3262,
0.2842

 3.3628, 0.3421,
0.2253

 79.4600, 0.3250,
0.2880

 1.3240, 0.3489,
0.1970

 103.7759, 0.3241,
0.2913

 0.1596, 0.3896,
0.0761

132.6063, 0.3233,
0.2941

 0.0000, 0.0000,
0.0000

166.3354, 0.3226,

0.2965

205.3477, 0.3219,
0.2986

■ 19.6525, 0.3312,
0.2663

■ 19.6525, 0.3312,
0.2663

■ 16.5798, 0.3385,
0.2474

■ 23.3305, 0.3247,
0.2857

■ 14.0767, 0.3466,
0.2300

■ 27.6416, 0.3190,
0.3050

■ 12.1079, 0.3552,
0.2148

■ 32.6152, 0.3140,
0.3237

■ 10.6331, 0.3642,
0.2029

■ 38.2780, 0.3098,
0.3415

■ 9.6060, 0.3733,
0.1952

■ 44.6551, 0.3062,
0.3582

■ 8.9719, 0.3822,
0.1919

■ 51.7706, 0.3032,
0.3737

■ 8.6630, 0.3884,
0.1914

■ 59.6472, 0.3006,
0.3881

■ 68.3069, 0.2985,
0.4012

■ 77.7706, 0.2967,
0.4132

Harmonies

Analogous

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



19.6525, 0.2753, 0.2445



19.6525, 0.3312, 0.2663



19.6525, 0.3863, 0.3018

Triad

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



19.6525, 0.3312, 0.2663



19.6525, 0.3927, 0.4218



19.6525, 0.2154, 0.2977

Complementary

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



19.6525, 0.3312, 0.2663



28.8226, 0.2985, 0.4013

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.



19.6525, 0.2414, 0.3535



19.6525, 0.3312, 0.2663



19.6525, 0.3429, 0.4317

Square

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



19.6525, 0.3312, 0.2663



19.6525, 0.4224, 0.3881



19.6525, 0.2875, 0.4064



19.6525, 0.2129, 0.2582

Rectangle

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



19.6525, 0.3312, 0.2663



19.6525, 0.4126, 0.3300



19.6525, 0.2875, 0.4064



19.6525, 0.2215, 0.3151

Sweetspot

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



19.6534, 0.3312, 0.2663



52.5286, 0.3175, 0.3102



16.5785, 0.2677, 0.2374



11.5836, 0.3182, 0.3077



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.



19.6534, 0.3312, 0.2663



31.7516, 0.3361, 0.2533



18.9517, 0.3653, 0.3051



6.7284, 0.3171, 0.3119



6.9453, 0.3878, 0.1910



0.1301, 0.3565, 0.1738

Inverse Universe

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



19.6534, 0.3312, 0.2663



31.7516, 0.3361, 0.2533



29.5060, 0.2782, 0.3546



6.7284, 0.3171, 0.3119



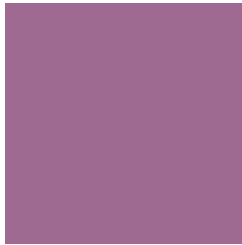
6.9453, 0.3878, 0.1910



0.1301, 0.3565, 0.1738

Previews

White Background



This preview shows how the Yxy color 19.6525, 0.3312, 0.2663 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 19.6525, 0.3312, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

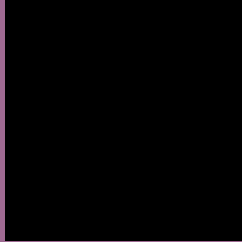
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6525, 0.3312, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 19.6525, 0.3312, 0.2663.



This preview shows how white text looks on a background with the Yxy color 19.6525, 0.3312, 0.2663.

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

19.6525, 0.3312, 0.2663

Protanopia

19.9308, 0.2679, 0.2671

Deuteranopia

19.7761, 0.2933, 0.2881



Tritanopia

19.6935, 0.3605, 0.3143

Trichromacy



Original Color

19.6525, 0.3312, 0.2663

Protanomaly

19.5365, 0.2883, 0.2657

Deuteranomaly

19.5934, 0.3064, 0.2795

Tritanomaly

19.5902, 0.3503, 0.2965

Monochromacy



Original Color

19.6525, 0.3312, 0.2663

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.2904, 0.3201, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6525, 0.3312, 0.2663 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(158, 106, 146)` looks like.

```
.text, #text, p{  
    color:rgb(158, 106, 146)  
}
```

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(158, 106, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 106, 146) }
```

Border

The CSS property to change the border of an element to Yxy 19.6525, 0.3312, 0.2663 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(158, 106, 146) }
```

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

```
.border{ border-color:rgb(158, 106, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 106, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 106, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 106, 146);  
box-shadow:4px 4px 4px 4px rgb(158, 106,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6525, 0.3312, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 106, 146) }
```

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

```
.background{ background-color: rgb(158,  
106, 146) }
```

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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