

Converting Colors

$Y_{xy}(20.7685, 0.3451, 0.2999)$

Have a look what the booklet for
Yxy(20.7685, 0.3451, 0.2999)
contains.

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Color

Yxy(20.7685, 0.3451, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	9C7284
RGB	156, 114, 132
RGB Percent	61%, 45%, 52%
CMY	0.3881, 0.5530, 0.4823
CMYK	0.00, 0.27, 0.15, 0.39
HSL	334°, 18%, 53%
HSV	334°, 27%, 61%
XYZ	23.8987, 20.7685, 24.5843
YIQ	128.6100, 19.2540, 14.5020

Conversions

Conversions Part 2

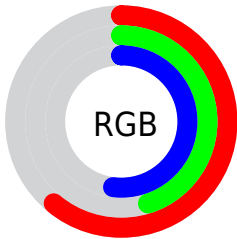
Format	Color
R _Y B	156, 114, 132
Decimal	10252932
CIE Lab	52.70, 19.48, -3.35
CIE LCh	53, 19.769, 350.257
Yxy	20.7685, 0.3451, 0.2999
Android (android.graphics.Color)	4288443012 (0xFF9C7284)
YUV	128.6100, 1.6713, 24.0210
Hunter-Lab	45.5725, 13.8554, -0.0835

Details

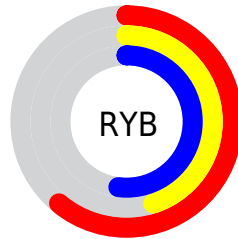
The Yxy color $20.7685, 0.3451, 0.2999$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $29.2013, 0.2889, 0.3602$, and the grayscale version is $21.7999, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.6241, 0.3378, 0.3061$, and $7.3482, 0.3574, 0.2867$ is the 20% darker color. If you saturate the color by 10%, you get $17.3113, 0.3618, 0.2886$, and if you desaturate by 10%, it is $24.8489, 0.3311, 0.3111$.

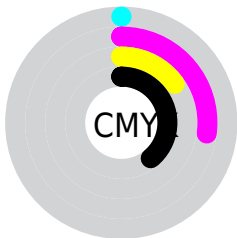
Distribution



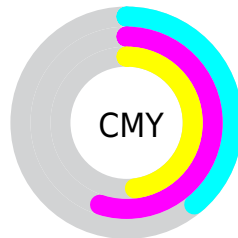
- Red (61%)
- Green (45%)
- Blue (52%)



- Red (61%)
- Yellow (45%)
- Blue (52%)



- Cyan (0%)
- Magenta (27%)
- Yellow (15%)
- Black (39%)





- Cyan (39%)
- Magenta (55%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7685, 0.3451, 0.2999 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 20.7685, 0.3451, 0.2999 by changing the saturation by 10% instead.


 20.7685, 0.3451,
0.2999

 20.7685, 0.3451,
0.2999


256.0456, 0.3269,
0.3161


 12.9549, 0.3505,
0.2952


 44.7019, 0.3379,
0.3063


 7.3975, 0.3580,
0.2886


 61.5905, 0.3354,
0.3085

 3.7119, 0.3693,
0.2789

 82.2730, 0.3333,
0.3103

 1.5137, 0.3880,
0.2632

 107.1335, 0.3316,
0.3119

 0.2984, 0.4697,
0.1846

136.5567, 0.3302,
0.3132

 0.0000, 0.0000,
0.0000

170.9268, 0.3289,

0.3143

210.6284, 0.3278,
0.3153

■ 20.7685, 0.3451,
0.2999

■ 20.7685, 0.3451,
0.2999

■ 17.3113, 0.3618,
0.2886

■ 24.8489, 0.3311,
0.3111

■ 14.4435, 0.3816,
0.2777

■ 29.5785, 0.3196,
0.3219

■ 12.1323, 0.4044,
0.2681

■ 34.9853, 0.3100,
0.3320

■ 10.3407, 0.4302,
0.2608

■ 41.0946, 0.3021,
0.3414

■ 9.0269, 0.4580,
0.2570

■ 47.9307, 0.2956,
0.3501

■ 8.1427, 0.4866,
0.2578

■ 55.5165, 0.2902,
0.3581

■ 7.6124, 0.5144,
0.2635

■ 63.8740, 0.2857,
0.3654

■ 7.4758, 0.5229,
0.2654

■ 73.0243, 0.2820,
0.3721

■ 82.9875, 0.2789,
0.3782

Harmonies

Analogous

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



20.7685, 0.3085, 0.2793



20.7685, 0.3451, 0.2999



20.7685, 0.3738, 0.3277

Triad

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



20.7685, 0.3451, 0.2999



20.7685, 0.3489, 0.3938



20.7685, 0.2454, 0.2943

Complementary

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



20.7685, 0.3451, 0.2999



29.2013, 0.2889, 0.3602

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.



20.7685, 0.2549, 0.3256



20.7685, 0.3451, 0.2999



20.7685, 0.3136, 0.3865

Square

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



20.7685, 0.3451, 0.2999



20.7685, 0.3755, 0.3820



20.7685, 0.2793, 0.3605



20.7685, 0.2525, 0.2749

Rectangle

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



20.7685, 0.3451, 0.2999



20.7685, 0.3836, 0.3477



20.7685, 0.2793, 0.3605



20.7685, 0.2467, 0.3037

Sweetspot

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



20.7694, 0.3451, 0.2999



52.5928, 0.3208, 0.3206



19.8205, 0.2941, 0.2594



11.2922, 0.3224, 0.3191



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.7694, 0.3451, 0.2999



34.0009, 0.3542, 0.2935



20.9598, 0.3677, 0.3338



6.6910, 0.3220, 0.3194



6.1612, 0.5211, 0.2644



0.1185, 0.4286, 0.2134

Inverse Universe

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



20.7694, 0.3451, 0.2999



34.0009, 0.3542, 0.2935



28.8373, 0.2740, 0.3242



6.6910, 0.3220, 0.3194



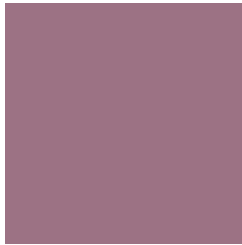
6.1612, 0.5211, 0.2644



0.1185, 0.4286, 0.2134

Previews

White Background



This preview shows how the Yxy color 20.7685, 0.3451, 0.2999 looks on a white background.

Color Contrast Check

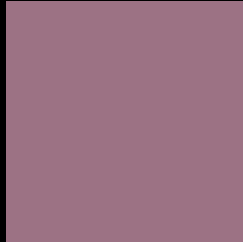
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7685, 0.3451, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

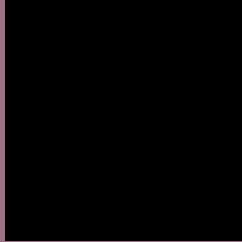
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7685, 0.3451, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 20.7685, 0.3451, 0.2999.



This preview shows how white text looks on a background with the Yxy color 20.7685, 0.3451, 0.2999.

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

20.7685, 0.3451, 0.2999

Protanopia

20.8913, 0.2976, 0.3040

Deuteranopia

20.7650, 0.3207, 0.3150



Tritanopia

20.6853, 0.3539, 0.3143

Trichromacy



Original Color

20.7685, 0.3451, 0.2999

Protanomaly

20.6866, 0.3139, 0.3030

Deuteranomaly

20.6720, 0.3287, 0.3086

Tritanomaly

20.7623, 0.3500, 0.3095

Monochromacy



Original Color

20.7685, 0.3451, 0.2999

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5160, 0.3241, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7685, 0.3451, 0.2999 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(156, 114, 132)` looks like.

```
.text, #text, p{  
    color:rgb(156, 114, 132)  
}
```

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(156, 114, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 114, 132) }
```

Border

The CSS property to change the border of an element to Yxy 20.7685, 0.3451, 0.2999 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(156, 114, 132) }
```

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

```
.border{ border-color:rgb(156, 114, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 114, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 114, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 114, 132);  
box-shadow:4px 4px 4px 4px rgb(156, 114,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7685, 0.3451, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 114, 132) }
```

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

```
.background{ background-color: rgb(156,  
114, 132) }
```

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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