

Converting Colors

$Y_{xy}(20.9960, 0.3349, 0.2875)$

Have a look what the booklet for
Yxy(20.9960, 0.3349, 0.2875)
contains.

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Color

Yxy(20.9960, 0.3349, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	9C728C
RGB	156, 114, 140
RGB Percent	61%, 45%, 55%
CMY	0.3883, 0.5529, 0.4510
CMYK	0.00, 0.27, 0.10, 0.39
HSL	323°, 17%, 53%
HSV	323°, 27%, 61%
XYZ	24.4576, 20.9960, 27.5760
YIQ	129.5220, 16.6860, 16.9900

Conversions

Conversions Part 2

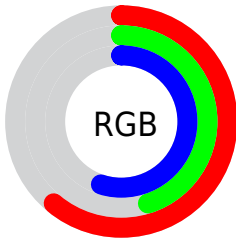
Format	Color
R _Y B	156, 114, 140
Decimal	10252940
CIE Lab	52.95, 20.85, -7.67
CIE LCh	53, 22.213, 339.809
Yxy	20.9960, 0.3349, 0.2875
Android (android.graphics.Color)	4288443020 (0xFF9C728C)
YUV	129.5220, 5.1657, 23.2212
Hunter-Lab	45.8214, 15.0886, -3.6066

Details

The Yxy color $20.9960, 0.3349, 0.2875$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.9579, 0.2956, 0.3746$, and the grayscale version is $22.1230, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.0164, 0.3298, 0.2955$, and $7.4618, 0.3432, 0.2711$ is the 20% darker color. If you saturate the color by 10%, you get $17.6022, 0.3459, 0.2716$, and if you desaturate by 10%, it is $25.0012, 0.3255, 0.3034$.

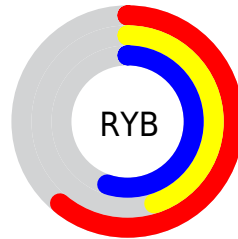
Distribution



Red (61%)

Green (45%)

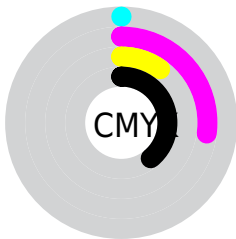
Blue (55%)



Red (61%)

Yellow (45%)

Blue (55%)

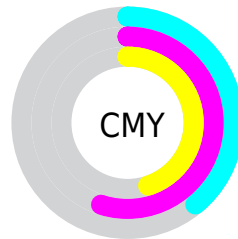


Cyan (0%)

Magenta (27%)

Yellow (10%)

Black (39%)



Cyan (39%)


Magenta (55%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9960, 0.3349, 0.2875 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 20.9960, 0.3349, 0.2875 by changing the saturation by 10% instead.


 20.9960, 0.3349,
0.2875


 20.9960, 0.3349,
0.2875


257.2572, 0.3227,
0.3103


 13.1211, 0.3384,
0.2810


 45.0809, 0.3302,
0.2963


 7.5120, 0.3432,
0.2722


 62.0596, 0.3285,
0.2995

 3.7843, 0.3502,
0.2593

 82.8418, 0.3271,
0.3021

 1.5536, 0.3613,
0.2391

 107.8117, 0.3259,
0.3043

 0.3260, 0.4022,
0.1601

137.3538, 0.3249,
0.3061

 0.0000, 0.0000,
0.0000

171.8525, 0.3241,

0.3077

211.6922, 0.3233,
0.3091

■ 20.9960, 0.3349,
0.2875

■ 20.9960, 0.3349,
0.2875

■ 17.6022, 0.3459,
0.2716

■ 25.0012, 0.3255,
0.3034

■ 14.7864, 0.3585,
0.2562

■ 29.6433, 0.3175,
0.3188

■ 12.5162, 0.3728,
0.2424

■ 34.9500, 0.3108,
0.3334

■ 10.7550, 0.3884,
0.2310

■ 40.9462, 0.3051,
0.3472

■ 9.4616, 0.4050,
0.2232

■ 47.6559, 0.3004,
0.3599

■ 8.5883, 0.4220,
0.2199

■ 55.1017, 0.2965,
0.3717

■ 8.0606, 0.4388,
0.2213

■ 63.3051, 0.2933,
0.3824

■ 7.9211, 0.4442,
0.2220

■ 72.2870, 0.2906,
0.3923

■ 82.0673, 0.2883,
0.4014

Harmonies

Analogous

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



20.9960, 0.2938, 0.2687



20.9960, 0.3349, 0.2875



20.9960, 0.3717, 0.3160

Triad

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



20.9960, 0.3349, 0.2875



20.9960, 0.3650, 0.3991



20.9960, 0.2394, 0.3008

Complementary

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



20.9960, 0.3349, 0.2875



28.9579, 0.2956, 0.3746

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.



20.9960, 0.2560, 0.3388



20.9960, 0.3349, 0.2875



20.9960, 0.3276, 0.3993

Square

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



20.9960, 0.3349, 0.2875



20.9960, 0.3891, 0.3793



20.9960, 0.2877, 0.3766



20.9960, 0.2410, 0.2742

Rectangle

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



20.9960, 0.3349, 0.2875



20.9960, 0.3877, 0.3378



20.9960, 0.2877, 0.3766



20.9960, 0.2430, 0.3126

Sweetspot

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



20.9969, 0.3349, 0.2875



52.7347, 0.3184, 0.3169



19.1360, 0.2845, 0.2576



11.3285, 0.3195, 0.3147



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.



20.9969, 0.3349, 0.2875



34.4826, 0.3410, 0.2783



20.4500, 0.3613, 0.3199



6.7117, 0.3192, 0.3152



6.5339, 0.4430, 0.2214



0.1249, 0.3837, 0.1887

Inverse Universe

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



20.9969, 0.3349, 0.2875



34.4826, 0.3410, 0.2783



29.5608, 0.2789, 0.3384



6.7117, 0.3192, 0.3152



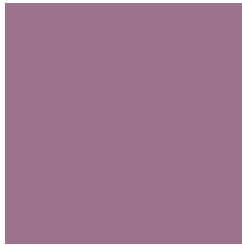
6.5339, 0.4430, 0.2214



0.1249, 0.3837, 0.1887

Previews

White Background



This preview shows how the Yxy color 20.9960, 0.3349, 0.2875 looks on a white background.

Color Contrast Check

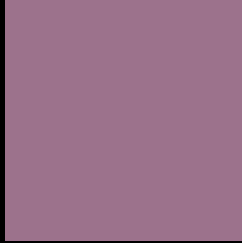
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9960, 0.3349, 0.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

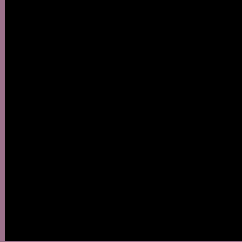
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9960, 0.3349, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 20.9960, 0.3349, 0.2875.



This preview shows how white text looks on a background with the Yxy color 20.9960, 0.3349, 0.2875.

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

20.9960, 0.3349, 0.2875

Protanopia

21.2392, 0.2873, 0.2920

Deuteranopia

21.0692, 0.3092, 0.3029



Tritanopia

21.0990, 0.3494, 0.3143

Trichromacy



Original Color

20.9960, 0.3349, 0.2875

Protanomaly

21.0836, 0.3038, 0.2913

Deuteranomaly

21.0478, 0.3179, 0.2969

Tritanomaly

21.0980, 0.3446, 0.3047

Monochromacy



Original Color

20.9960, 0.3349, 0.2875

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.6255, 0.3195, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9960, 0.3349, 0.2875 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(156, 114, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 114, 140) }
```

Border

The CSS property to change the border of an element to Yxy 20.9960, 0.3349, 0.2875 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, 140) }
```

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

```
.border{ border-color:rgb(156, 114, 140) }
```

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, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 114, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 114, 140);  
box-shadow:4px 4px 4px 4px rgb(156, 114,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9960, 0.3349, 0.2875 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, 140) }
```

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

```
.background{ background-color: rgb(156,  
114, 140) }
```

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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