

Converting Colors

$Y_{xy}(21.0355, 0.3450, 0.2904)$

Have a look what the booklet for
Yxy(21.0355, 0.3450, 0.2904)
contains.

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Color

Yxy(20.9716, 0.3455, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	A17089
RGB	161, 112, 137
RGB Percent	63%, 44%, 54%
CMY	0.3687, 0.5607, 0.4628
CMYK	0.00, 0.30, 0.15, 0.37
HSL	329°, 21%, 54%
HSV	329°, 30%, 63%
XYZ	25.0024, 20.9716, 26.3918
YIQ	129.5010, 21.1790, 18.1630

Conversions

Conversions Part 2

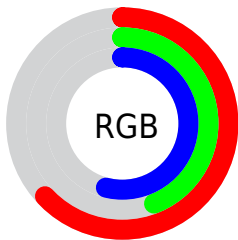
Format	Color
R_{YB}	161, 112, 137
Decimal	10580105
CIE _{Lab}	52.92, 23.31, -5.88
CIE _{LCh}	53, 24.036, 345.852
Yxy	20.9716, 0.3455, 0.2898
Android (android.graphics.Color)	4288770185 (0xFFA17089)
YUV	129.5010, 3.6970, 27.6246
Hunter-Lab	45.7948, 17.3141, -2.1129

Details

The Yxy color $20.9716, 0.3455, 0.2898$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $30.7036, 0.2892, 0.3720$, and the grayscale version is $22.1194, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8676, 0.3382, 0.2982$, and $7.4313, 0.3579, 0.2747$ is the 20% darker color. If you saturate the color by 10%, you get $17.5134, 0.3606, 0.2765$, and if you desaturate by 10%, it is $25.0834, 0.3327, 0.3032$.

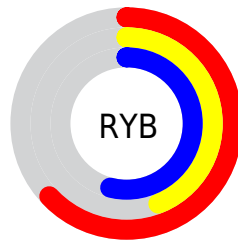
Distribution



Red (63%)

Green (44%)

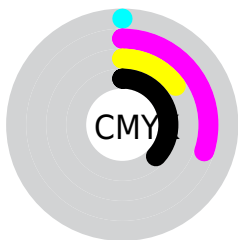
Blue (54%)



Red (63%)

Yellow (44%)

Blue (54%)

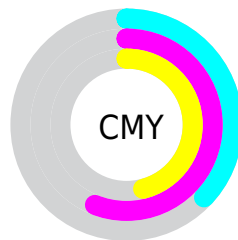


Cyan (0%)

Magenta (30%)

Yellow (15%)

Black (37%)



Cyan (37%)


Magenta (56%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9716, 0.3455, 0.2898 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 20.9716, 0.3455, 0.2898 by changing the saturation by 10% instead.


 20.9716, 0.3455,
0.2898


 20.9716, 0.3455,
0.2898


257.1275, 0.3272,
0.3114


 13.1032, 0.3508,
0.2836


 45.0403, 0.3383,
0.2982

 7.4997, 0.3582,
0.2752


 62.0094, 0.3358,
0.3012

 3.7765, 0.3691,
0.2628

 82.7808, 0.3337,
0.3036

 1.5493, 0.3867,
0.2433

 107.7391, 0.3320,
0.3057

 0.3231, 0.4467,
0.1647

137.2685, 0.3305,
0.3074

 0.0000, 0.0000,
0.0000

171.7534, 0.3293,

0.3089

211.5783, 0.3282,
0.3103

■ 20.9716, 0.3455,
0.2898

■ 20.9716, 0.3455,
0.2898

■ 17.5134, 0.3606,
0.2765

■ 25.0834, 0.3327,
0.3032

■ 14.6716, 0.3782,
0.2640

■ 29.8775, 0.3220,
0.3162

■ 12.4099, 0.3981,
0.2532


■ 35.3846, 0.3130,
0.3285

■ 10.6869, 0.4201,
0.2453


■ 41.6323, 0.3056,
0.3401

■ 9.4556, 0.4435,
0.2413

■ 48.6471, 0.2995,
0.3508


 8.6607, 0.4671,
0.2423

 56.4540, 0.2944,
0.3607

 8.1849, 0.4895,
0.2470

 65.0769, 0.2902,
0.3698

 74.5386, 0.2867,
0.3781

 83.6468, 0.2836,
0.3837

Harmonies

Analogous

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



20.9716, 0.3008, 0.2672



20.9716, 0.3455, 0.2898



20.9716, 0.3829, 0.3217

Triad

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



20.9716, 0.3455, 0.2898



20.9716, 0.3617, 0.4069



20.9716, 0.2326, 0.2912

Complementary

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



20.9716, 0.3455, 0.2898



30.7036, 0.2892, 0.3720

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.



20.9716, 0.2464, 0.3306



20.9716, 0.3455, 0.2898



20.9716, 0.3197, 0.4025

Square

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



20.9716, 0.3455, 0.2898



20.9716, 0.3917, 0.3886



20.9716, 0.2777, 0.3733



20.9716, 0.2382, 0.2661

Rectangle

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



20.9716, 0.3455, 0.2898



20.9716, 0.3971, 0.3453



20.9716, 0.2777, 0.3733



20.9716, 0.2351, 0.3031

Sweetspot

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



20.9726, 0.3455, 0.2898



54.6831, 0.3208, 0.3177



19.3723, 0.2864, 0.2485



11.7127, 0.3221, 0.3160



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.



20.9726, 0.3455, 0.2898



33.5584, 0.3547, 0.2814



20.3553, 0.3779, 0.3279



7.1434, 0.3209, 0.3176



6.5478, 0.4878, 0.2461



0.1471, 0.4131, 0.2049

Inverse Universe

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



20.9726, 0.3455, 0.2898



33.5584, 0.3547, 0.2814



31.4694, 0.2706, 0.3302



7.1434, 0.3209, 0.3176



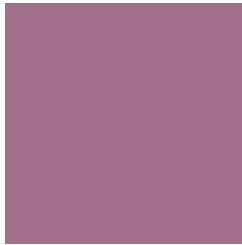
6.5478, 0.4878, 0.2461



0.1471, 0.4131, 0.2049

Previews

White Background



This preview shows how the Yxy color 20.9716, 0.3455, 0.2898 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 20.9716, 0.3455, 0.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

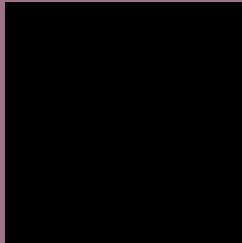
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9716, 0.3455, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 20.9716, 0.3455, 0.2898.



This preview shows how white text looks on a background with the Yxy color 20.9716, 0.3455, 0.2898.

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

20.9716, 0.3455, 0.2898

Protanopia

21.2080, 0.2883, 0.2937

Deuteranopia

21.0661, 0.3137, 0.3081



Tritanopia

20.8356, 0.3607, 0.3146

Trichromacy



Original Color

20.9716, 0.3455, 0.2898

Protanomaly

20.9763, 0.3073, 0.2915

Deuteranomaly

20.9005, 0.3240, 0.3004

Tritanomaly

20.8424, 0.3557, 0.3051

Monochromacy



Original Color

20.9716, 0.3455, 0.2898

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.5221, 0.3232, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9716, 0.3455, 0.2898 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(161, 112, 137)` looks like.

```
.text, #text, p{  
    color:rgb(161, 112, 137)  
}
```

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(161, 112, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 112, 137) }
```

Border

The CSS property to change the border of an element to Yxy 20.9716, 0.3455, 0.2898 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(161, 112, 137) }
```

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

```
.border{ border-color:rgb(161, 112, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 112, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 112, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 112, 137);  
box-shadow:4px 4px 4px 4px rgb(161, 112,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9716, 0.3455, 0.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 112, 137) }
```

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

```
.background{ background-color: rgb(161,  
112, 137) }
```

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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