

Converting Colors

$Y_{xy}(20.1135, 0.3563, 0.2795)$

Have a look what the booklet for
Yxy(20.1135, 0.3563, 0.2795)
contains.

Yxy(20.0316, 0.3566, 0.2789)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.0316, 0.3566, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	A86889
RGB	168, 104, 137
RGB Percent	66%, 41%, 54%
CMY	0.3412, 0.5921, 0.4628
CMYK	0.00, 0.38, 0.18, 0.34
HSL	329°, 27%, 53%
HSV	329°, 38%, 66%
XYZ	25.6123, 20.0316, 26.1797
YIQ	126.8980, 27.5510, 23.8310

Conversions

Conversions Part 2

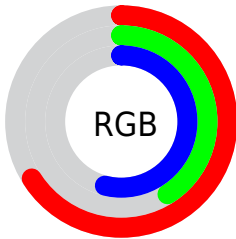
Format	Color
R_{YB}	168, 104, 137
Decimal	11036809
CIE _{Lab}	51.87, 30.40, -7.34
CIE _{LCh}	52, 31.272, 346.420
Yxy	20.0316, 0.3566, 0.2789
Android (android.graphics.Color)	4289226889 (0xFFA86889)
YUV	126.8980, 4.9803, 36.0465
Hunter-Lab	44.7567, 23.8236, -3.3511

Details

The Yxy color $20.0316, 0.3566, 0.2789$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $32.6958, 0.2842, 0.3858$, and the grayscale version is $21.1627, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3419, 0.3471, 0.2897$, and $6.9979, 0.3732, 0.2605$ is the 20% darker color. If you saturate the color by 10%, you get $16.7556, 0.3735, 0.2660$, and if you desaturate by 10%, it is $24.0008, 0.3421, 0.2924$.

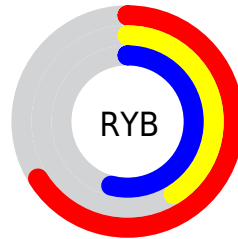
Distribution



Red (66%)

Green (41%)

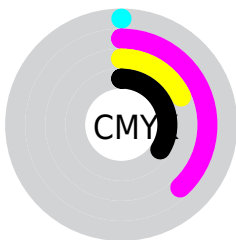
Blue (54%)



Red (66%)

Yellow (41%)

Blue (54%)

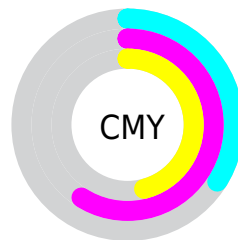


Cyan (0%)

Magenta (38%)

Yellow (18%)

Black (34%)



Cyan (34%)


Magenta (59%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0316, 0.3566, 0.2789 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 20.0316, 0.3566, 0.2789 by changing the saturation by 10% instead.


 20.0316, 0.3566,
0.2789


 20.0316, 0.3566,
0.2789


252.0861, 0.3321,
0.3065


 12.4180, 0.3638,
0.2711


 43.4702, 0.3470,
0.2896


 7.0290, 0.3737,
0.2603


 60.0639, 0.3436,
0.2934

 3.4803, 0.3883,
0.2448

 80.4199, 0.3408,
0.2965

 1.3873, 0.4121,
0.2204

 104.9224, 0.3385,
0.2992

 0.2073, 0.4991,
0.1097

133.9559, 0.3365,
0.3014

 0.0000, 0.0000,
0.0000

167.9047, 0.3348,

0.3033

207.1534, 0.3334,
0.3050

■ 20.0316, 0.3566,
0.2789

■ 20.0316, 0.3566,
0.2789

■ 16.7556, 0.3735,
0.2660

■ 24.0008, 0.3421,
0.2924

■ 14.1294, 0.3927,
0.2546

■ 28.6977, 0.3299,
0.3059

■ 12.1090, 0.4141,
0.2458


■ 34.1578, 0.3197,
0.3190


■ 10.6438, 0.4370,
0.2407


■ 40.4134, 0.3112,
0.3313

■ 9.6747, 0.4605,
0.2405


■ 47.4951, 0.3042,
0.3428

 9.1009, 0.4835,
0.2451

 55.4316, 0.2983,
0.3535

 9.0055, 0.4879,
0.2462

 64.2506, 0.2935,
0.3633

 73.9781, 0.2895,
0.3723

 84.5096, 0.2861,
0.3804

Harmonies

Analogous

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



20.0316, 0.2974, 0.2502



20.0316, 0.3566, 0.2789



20.0316, 0.4064, 0.3191

Triad

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



20.0316, 0.3566, 0.2789



20.0316, 0.3745, 0.4320



20.0316, 0.2094, 0.2772

Complementary

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



20.0316, 0.3566, 0.2789



32.6958, 0.2842, 0.3858

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.



20.0316, 0.2259, 0.3288



20.0316, 0.3566, 0.2789



20.0316, 0.3193, 0.4278

Square

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



20.0316, 0.3566, 0.2789



20.0316, 0.4153, 0.4056



20.0316, 0.2650, 0.3875



20.0316, 0.2171, 0.2465

Rectangle

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



20.0316, 0.3566, 0.2789



20.0316, 0.4248, 0.3489



20.0316, 0.2650, 0.3875



20.0316, 0.2122, 0.2925

Sweetspot

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



20.0325, 0.3566, 0.2789



58.7512, 0.3227, 0.3150



17.8750, 0.2777, 0.2257



12.5226, 0.3240, 0.3133



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.0325, 0.3566, 0.2789



31.0814, 0.3712, 0.2675



19.2482, 0.4026, 0.3276



7.6044, 0.3208, 0.3174



6.8117, 0.4858, 0.2450



0.1760, 0.4180, 0.2076

Inverse Universe

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



20.0325, 0.3566, 0.2789



31.0814, 0.3712, 0.2675



33.7335, 0.2615, 0.3306



7.6044, 0.3208, 0.3174



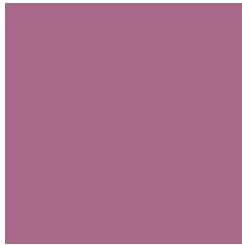
6.8117, 0.4858, 0.2450



0.1760, 0.4180, 0.2076

Previews

White Background



This preview shows how the Yxy color 20.0316, 0.3566, 0.2789 looks on a white background.

Color Contrast Check

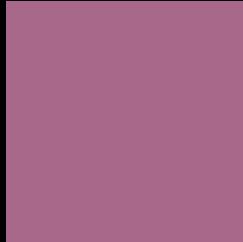
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0316, 0.3566, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

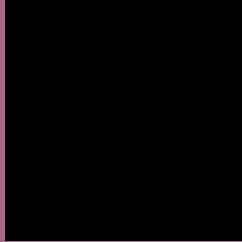
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0316, 0.3566, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 20.0316, 0.3566, 0.2789.



This preview shows how white text looks on a background with the Yxy color 20.0316, 0.3566, 0.2789.

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

20.0316, 0.3566, 0.2789

Protanopia

20.1874, 0.2796, 0.2826

Deuteranopia

20.3015, 0.3114, 0.3060



Tritanopia

20.0931, 0.3820, 0.3166

Trichromacy



Original Color

20.0316, 0.3566, 0.2789

Protanomaly

19.7694, 0.3040, 0.2794

Deuteranomaly

20.0305, 0.3270, 0.2953

Tritanomaly

20.1861, 0.3724, 0.3028

Monochromacy



Original Color

20.0316, 0.3566, 0.2789

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.5831, 0.3274, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0316, 0.3566, 0.2789 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(168, 104, 137)` looks like.

```
.text, #text, p{  
    color:rgb(168, 104, 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(168, 104, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 104, 137) }
```

Border

The CSS property to change the border of an element to Yxy 20.0316, 0.3566, 0.2789 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(168, 104, 137) }
```

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

```
.border{ border-color:rgb(168, 104, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 104, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 104, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 104, 137);  
box-shadow:4px 4px 4px 4px rgb(168, 104,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0316, 0.3566, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 104, 137) }
```

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

```
.background{ background-color: rgb(168,  
104, 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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