

Converting Colors

$Y_{xy}(21.0487, 0.3440, 0.2559)$

Have a look what the booklet for
Yxy(21.0487, 0.3440, 0.2559)
contains.

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Color

Yxy(21.1144, 0.3444, 0.2571)

Conversions

Conversions Part 1

Format	Color
Hex	AF6799
RGB	175, 103, 153
RGB Percent	69%, 40%, 60%
CMY	0.3136, 0.5961, 0.4000
CMYK	0.00, 0.41, 0.13, 0.31
HSL	318°, 31%, 55%
HSV	318°, 41%, 69%
XYZ	28.2839, 21.1144, 32.7269
YIQ	130.2280, 26.8620, 30.8140

Conversions

Conversions Part 2

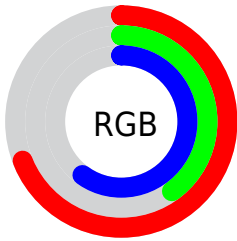
Format	Color
R_{YB}	175, 103, 153
Decimal	11495321
CIE _{Lab}	53.07, 36.08, -14.88
CIE _{LCh}	53, 39.026, 337.591
Yxy	21.1144, 0.3444, 0.2571
Android (android.graphics.Color)	4289685401 (0xFFAF6799)
YUV	130.2280, 11.2266, 39.2650
Hunter-Lab	45.9504, 29.4592, -10.0624

Details

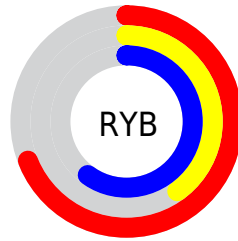
The Yxy color $21.1144, 0.3444, 0.2571$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $35.0330, 0.2914, 0.4145$, and the grayscale version is $22.3608, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.4377, 0.3385, 0.2726$, and $7.5705, 0.3550, 0.2326$ is the 20% darker color. If you saturate the color by 10%, you get $17.8181, 0.3551, 0.2407$, and if you desaturate by 10%, it is $25.1493, 0.3349, 0.2747$.

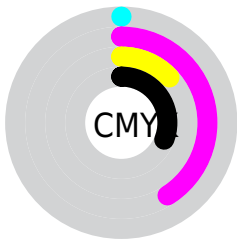
Distribution



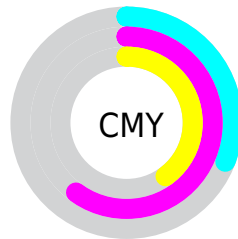
- Red (69%)
- Green (40%)
- Blue (60%)



- Red (69%)
- Yellow (40%)
- Blue (60%)



- Cyan (0%)
- Magenta (41%)
- Yellow (13%)
- Black (31%)




- Cyan (31%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1144, 0.3444, 0.2571 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 21.1144, 0.3444, 0.2571 by changing the saturation by 10% instead.

 21.1144, 0.3444,
0.2571


 21.1144, 0.3444,
0.2571

257.8858, 0.3275,
0.2955


 13.2077, 0.3489,
0.2467


 45.2778, 0.3380,
0.2716


 7.5717, 0.3550,
0.2329


 62.3033, 0.3357,
0.2769

 3.8221, 0.3634,
0.2136


 83.1372, 0.3338,
0.2813

 1.5746, 0.3757,
0.1850

 108.1638, 0.3322,
0.2850

 0.3404, 0.4084,
0.1104

137.7676, 0.3308,
0.2882

 0.0000, 0.4254,
0.0000

172.3329, 0.3295,

 0.0000, 0.0000,

0.2910

0.0000

212.2442, 0.3285,
0.2934

■ 21.1144, 0.3444,
0.2571

■ 21.1144, 0.3444,
0.2571

■ 17.8181, 0.3551,
0.2407

■ 25.1493, 0.3349,
0.2747

■ 15.2116, 0.3668,
0.2263

■ 29.9618, 0.3266,
0.2926

■ 13.2446, 0.3793,
0.2151


■ 35.5917, 0.3194,
0.3102

■ 11.8589, 0.3922,
0.2079

■ 42.0752, 0.3134,
0.3271


■ 10.9854, 0.4050,
0.2056

■ 49.4463, 0.3082,
0.3431

 10.5106, 0.4163,
0.2067

 57.7373, 0.3039,
0.3580

 66.9785, 0.3003,
0.3719

 77.1992, 0.2973,
0.3846

 84.8607, 0.2947,
0.3907

Harmonies

Analogous

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



21.1144, 0.2737, 0.2287



21.1144, 0.3444, 0.2571



21.1144, 0.4124, 0.3008

Triad

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



21.1144, 0.3444, 0.2571



21.1144, 0.4032, 0.4470



21.1144, 0.1919, 0.2805

Complementary

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



21.1144, 0.3444, 0.2571



35.0330, 0.2914, 0.4145

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.



21.1144, 0.2187, 0.3493



21.1144, 0.3444, 0.2571



21.1144, 0.3392, 0.4583

Square

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



21.1144, 0.3444, 0.2571



21.1144, 0.4456, 0.4050



21.1144, 0.2717, 0.4211



21.1144, 0.1930, 0.2368

Rectangle

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



21.1144, 0.3444, 0.2571



21.1144, 0.4426, 0.3349



21.1144, 0.2717, 0.4211



21.1144, 0.1977, 0.3012

Sweetspot

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



21.1154, 0.3444, 0.2571



62.5948, 0.3201, 0.3083



17.1243, 0.2595, 0.2117



13.6143, 0.3210, 0.3061



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



21.1154, 0.3444, 0.2571



32.6036, 0.3536, 0.2427



20.1087, 0.3943, 0.3077



8.1058, 0.3182, 0.3134



7.5360, 0.4149, 0.2059



0.2188, 0.3804, 0.1869

Inverse Universe

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



21.1154, 0.3444, 0.2571



32.6036, 0.3536, 0.2427



36.1120, 0.2666, 0.3523



8.1058, 0.3182, 0.3134



7.5360, 0.4149, 0.2059



0.2188, 0.3804, 0.1869

Previews

White Background



This preview shows how the Yxy color 21.1144, 0.3444, 0.2571 looks on a white background.

Color Contrast Check

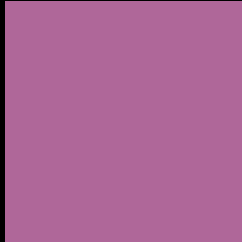
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1144, 0.3444, 0.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

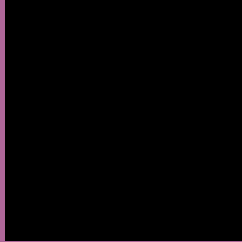
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1144, 0.3444, 0.2571

Background



This preview shows how black text looks on a background with the Yxy color 21.1144, 0.3444, 0.2571.



This preview shows how white text looks on a background with the Yxy color 21.1144, 0.3444, 0.2571.

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

21.1144, 0.3444, 0.2571

Protanopia

21.4311, 0.2593, 0.2562

Deuteranopia

21.2524, 0.2917, 0.2859



Tritanopia

21.1178, 0.3849, 0.3170

Trichromacy



Original Color

21.1144, 0.3444, 0.2571

Protanomaly

20.9196, 0.2862, 0.2558

Deuteranomaly

20.8038, 0.3104, 0.2736

Tritanomaly

20.9247, 0.3692, 0.2930

Monochromacy



Original Color

21.1144, 0.3444, 0.2571

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.3789, 0.3239, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1144, 0.3444, 0.2571 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(175, 103, 153)` looks like.

```
.text, #text, p{  
    color:rgb(175, 103, 153)  
}
```

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(175, 103, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 103, 153) }
```

Border

The CSS property to change the border of an element to Yxy 21.1144, 0.3444, 0.2571 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(175, 103, 153) }
```

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

```
.border{ border-color:rgb(175, 103, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 103, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 103, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 103, 153);  
box-shadow:4px 4px 4px 4px rgb(175, 103,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1144, 0.3444, 0.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 103, 153) }
```

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

```
.background{ background-color: rgb(175,  
103, 153) }
```

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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