

Converting Colors

$Y_{xy}(16.9882, 0.3185, 0.2113)$

Have a look what the booklet for
Yxy(16.9882, 0.3185, 0.2113)
contains.

Yxy(17.0467, 0.3182, 0.2111)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.0467, 0.3182, 0.2111)

Conversions

Conversions Part 1

Format	Color
Hex	A653A6
RGB	166, 83, 166
RGB Percent	65%, 33%, 65%
CMY	0.3492, 0.6744, 0.3490
CMYK	0.00, 0.50, 0.00, 0.35
HSL	300°, 33%, 49%
HSV	300°, 50%, 65%
XYZ	25.6952, 17.0467, 38.0099
YIQ	117.2790, 22.8250, 43.4090

Conversions

Conversions Part 2

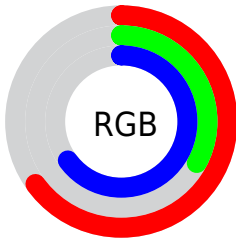
Format	Color
R _Y B	166, 83, 166
Decimal	10900390
CIE Lab	48.32, 46.07, -29.93
CIE LCh	48, 54.934, 326.988
Yxy	17.0467, 0.3182, 0.2111
Android (android.graphics.Color)	4289090470 (0xFFA653A6)
YUV	117.2790, 24.0195, 42.7283
Hunter-Lab	41.2876, 38.8354, -25.6817

Details

The Yxy color **17.0467, 0.3182, 0.2111** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.7379, 0.3055, 0.4839**, and the grayscale version is **17.8012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5168, 0.3190, 0.2350**, and **5.5882, 0.3159, 0.1734** is the 20% darker color. If you saturate the color by 10%, you get **14.8023, 0.3191, 0.1922**, and if you desaturate by 10%, it is **19.9007, 0.3172, 0.2327**.

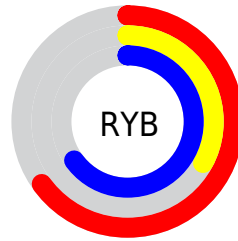
Distribution



Red (65%)

Green (33%)

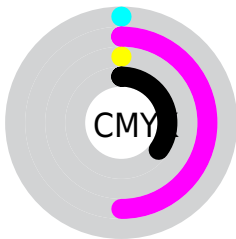
Blue (65%)



Red (65%)

Yellow (33%)

Blue (65%)

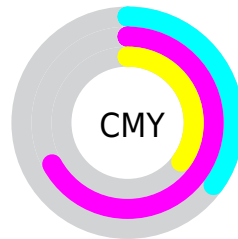


Cyan (0%)

Magenta (50%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (67%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0467, 0.3182, 0.2111 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 17.0467, 0.3182, 0.2111 by changing the saturation by 10% instead.


 17.0467, 0.3182,
0.2111


 17.0467, 0.3182,
0.2111


235.4414, 0.3174,
0.2731


 10.2678, 0.3175,
0.1949


 38.4061, 0.3185,
0.2343


 5.5769, 0.3159,
0.1739


 53.7553, 0.3184,
0.2428


 2.5895, 0.3124,
0.1457

 72.7301, 0.3183,
0.2499

 0.9214, 0.3043,
0.1073

 95.7148, 0.3181,
0.2560

 0.0000, 0.3004,
0.0000

 123.0940, 0.3179,
0.2612

 0.0000, 0.0000,
0.0000

155.2518, 0.3177,

0.2657

192.5728, 0.3176,
0.2696

■ 17.0467, 0.3182,
0.2111

■ 17.0467, 0.3182,
0.2111

■ 14.8023, 0.3191,
0.1922

■ 19.9007, 0.3172,
0.2327

■ 13.1213, 0.3198,
0.1768

■ 23.4019, 0.3161,
0.2562

■ 11.9542, 0.3203,
0.1654


■ 27.5874, 0.3150,
0.2806


■ 11.2423, 0.3206,
0.1582


■ 32.4908, 0.3138,
0.3051


■ 10.8526, 0.3208,
0.1541

■ 38.1437, 0.3127,
0.3291

 10.8518, 0.3208,
0.1541

 44.5756, 0.3116,
0.3520

 51.8145, 0.3106,
0.3736

 59.8869, 0.3097,
0.3936

 68.8184, 0.3088,
0.4120

Harmonies

Analogous

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



17.0467, 0.2241, 0.1821



17.0467, 0.3182, 0.2111



17.0467, 0.4288, 0.2625

Triad

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



17.0467, 0.3182, 0.2111



17.0467, 0.4623, 0.4715



17.0467, 0.1503, 0.2832

Complementary

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



17.0467, 0.3182, 0.2111



29.7379, 0.3055, 0.4839

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.



17.0467, 0.1965, 0.4006



17.0467, 0.3182, 0.2111



17.0467, 0.3758, 0.5246

Square

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



17.0467, 0.3182, 0.2111



17.0467, 0.5150, 0.3984



17.0467, 0.2790, 0.5064



17.0467, 0.1417, 0.2100

Rectangle

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



17.0467, 0.3182, 0.2111



17.0467, 0.4876, 0.3048



17.0467, 0.2790, 0.5064



17.0467, 0.1612, 0.3185

Sweetspot

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



17.0475, 0.3182, 0.2111



54.0878, 0.3144, 0.2921



10.9992, 0.2198, 0.1770



11.7079, 0.3147, 0.2871



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.



17.0475, 0.3182, 0.2111



26.4695, 0.3192, 0.1903



15.8020, 0.3767, 0.2636



7.6665, 0.3138, 0.3067



8.4156, 0.3208, 0.1541



0.2048, 0.3209, 0.1541

Inverse Universe

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



14.9239, 0.4499, 0.3294



22.1655, 0.5000, 0.3295



30.5446, 0.2775, 0.4077



7.5424, 0.3286, 0.3290



6.2867, 0.6400, 0.3299



0.1530, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 17.0467, 0.3182, 0.2111 looks on a white background.

Color Contrast Check

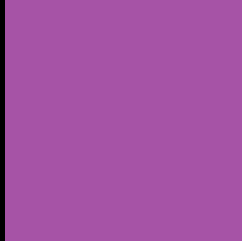
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.0467, 0.3182, 0.2111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

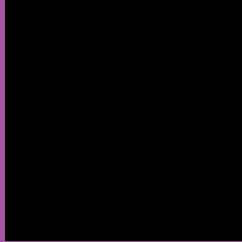
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0467, 0.3182, 0.2111

Background



This preview shows how black text looks on a background with the Yxy color 17.0467, 0.3182, 0.2111.



This preview shows how white text looks on a background with the Yxy color 17.0467, 0.3182, 0.2111.

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

17.0467, 0.3182, 0.2111

Protanopia

17.4108, 0.2146, 0.1980

Deuteranopia

17.3172, 0.2489, 0.2434



Tritanopia

17.0244, 0.3922, 0.3177

Trichromacy



Original Color

17.0467, 0.3182, 0.2111



Protanomaly

16.3909, 0.2417, 0.1981



Deuteranomaly

16.6299, 0.2700, 0.2271



Tritanomaly

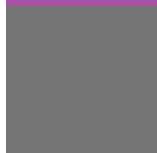
16.9381, 0.3647, 0.2752

Monochromacy



Original Color

17.0467, 0.3182, 0.2111



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

17.0033, 0.3152, 0.2760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0467, 0.3182, 0.2111 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(166, 83, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 83, 166)  
}
```

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(166, 83, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 83, 166) }
```

Border

The CSS property to change the border of an element to Yxy 17.0467, 0.3182, 0.2111 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(166, 83, 166) }
```

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

```
.border{ border-color:rgb(166, 83, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 83, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 83, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 83, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 83,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0467, 0.3182, 0.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 83, 166) }
```

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

```
.background{ background-color: rgb(166, 83,  
166) }
```

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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