

Converting Colors

$Y_{xy}(17.3470, 0.3352, 0.2290)$

Have a look what the booklet for
Yxy(17.3470, 0.3352, 0.2290)
contains.

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Color

Yxy(17.3470, 0.3352, 0.2290)

Conversions

Conversions Part 1

Format	Color
Hex	A8569B
RGB	168, 86, 155
RGB Percent	66%, 34%, 61%
CMY	0.3412, 0.6627, 0.3922
CMYK	0.00, 0.49, 0.08, 0.34
HSL	310°, 32%, 50%
HSV	310°, 49%, 66%
XYZ	25.3918, 17.3470, 33.0123
YIQ	118.3840, 26.7230, 38.8430

Conversions

Conversions Part 2

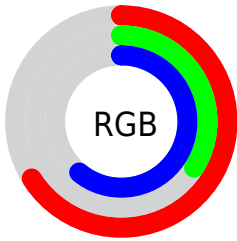
Format	Color
R_{YB}	168, 86, 155
Decimal	11032219
CIE _{Lab}	48.69, 43.17, -22.82
CIE _{LCh}	49, 48.828, 332.141
Yxy	17.3470, 0.3352, 0.2290
Android (android.graphics.Color)	4289222299 (0xFFA8569B)
YUV	118.3840, 18.0517, 43.5132
Hunter-Lab	41.6497, 35.9355, -17.8395

Details

The Yxy color **17.3470, 0.3352, 0.2290** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.8865, 0.2968, 0.4563**, and the grayscale version is **18.1801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8377, 0.3311, 0.2484**, and **5.7209, 0.3404, 0.1946** is the 20% darker color. If you saturate the color by 10%, you get **14.8842, 0.3411, 0.2117**, and if you desaturate by 10%, it is **20.4439, 0.3297, 0.2485**.

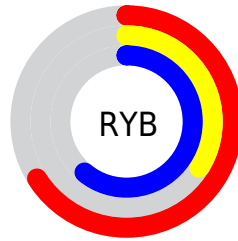
Distribution



Red (66%)

Green (34%)

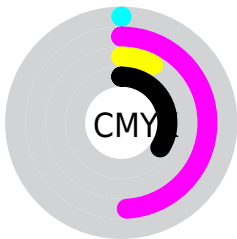
Blue (61%)



Red (66%)

Yellow (34%)

Blue (61%)

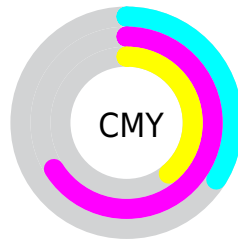


Cyan (0%)

Magenta (49%)

Yellow (8%)

Black (34%)



Cyan (34%)

Magenta (66%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3470, 0.3352, 0.2290 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 17.3470, 0.3352, 0.2290 by changing the saturation by 10% instead.


 17.3470, 0.3352,
0.2290


 17.3470, 0.3352,
0.2290


237.1642, 0.3241,
0.2825


 10.4822, 0.3378,
0.2146


 38.9214, 0.3313,
0.2492


 5.7198, 0.3409,
0.1955


 54.3999, 0.3297,
0.2566

 2.6755, 0.3445,
0.1694

 73.5183, 0.3284,
0.2627

 0.9648, 0.3480,
0.1318

 96.6611, 0.3273,
0.2679

 0.0000, 0.3768,
0.0000

 124.2127, 0.3264,
0.2723

 0.0000, 0.0000,
0.0000

156.5575, 0.3255,

0.2762

194.0798, 0.3247,
0.2795

■ 17.3470, 0.3352,
0.2290

■ 17.3470, 0.3352,
0.2290

■ 14.8842, 0.3411,
0.2117

■ 20.4439, 0.3297,
0.2485

■ 13.0082, 0.3471,
0.1974

■ 24.2131, 0.3246,
0.2692

■ 11.6691, 0.3532,
0.1870

■ 28.6924, 0.3200,
0.2903

■ 10.8075, 0.3590,
0.1810

■ 33.9163, 0.3159,
0.3112

■ 10.3110, 0.3646,
0.1788

■ 39.9169, 0.3123,
0.3314

■ 10.2579, 0.3653,
0.1786

■ 46.7246, 0.3092,
0.3505

■ 54.3679, 0.3066,
0.3683

■ 62.8741, 0.3044,
0.3849

■ 72.2694, 0.3025,
0.4001

Harmonies

Analogous

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



17.3470, 0.2461, 0.1982



17.3470, 0.3352, 0.2290



17.3470, 0.4309, 0.2795

Triad

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



17.3470, 0.3352, 0.2290



17.3470, 0.4384, 0.4704



17.3470, 0.1619, 0.2757

Complementary

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



17.3470, 0.3352, 0.2290



30.8865, 0.2968, 0.4563

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.



17.3470, 0.1994, 0.3736



17.3470, 0.3352, 0.2290



17.3470, 0.3580, 0.5050

Square

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



17.3470, 0.3352, 0.2290



17.3470, 0.4903, 0.4075



17.3470, 0.2705, 0.4713



17.3470, 0.1585, 0.2155

Rectangle

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



17.3470, 0.3352, 0.2290



17.3470, 0.4773, 0.3199



17.3470, 0.2705, 0.4713



17.3470, 0.1704, 0.3048

Sweetspot

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



17.3478, 0.3352, 0.2290



55.2543, 0.3185, 0.2978



12.0977, 0.2339, 0.1829



11.6416, 0.3193, 0.2935



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.



17.3478, 0.3352, 0.2290



26.5164, 0.3418, 0.2097



16.2129, 0.3968, 0.2852



7.6458, 0.3161, 0.3102



7.7523, 0.3648, 0.1783



0.1939, 0.3482, 0.1692

Inverse Universe

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



17.3478, 0.3352, 0.2290



26.5164, 0.3418, 0.2097



31.8581, 0.2685, 0.3798



7.6458, 0.3161, 0.3102



7.7523, 0.3648, 0.1783



0.1939, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 17.3470, 0.3352, 0.2290 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 17.3470, 0.3352, 0.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

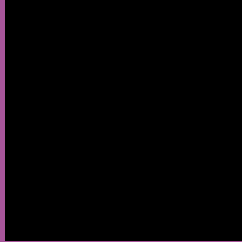
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3470, 0.3352, 0.2290

Background



This preview shows how black text looks on a background with the Yxy color 17.3470, 0.3352, 0.2290.



This preview shows how white text looks on a background with the Yxy color 17.3470, 0.3352, 0.2290.

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

17.3470, 0.3352, 0.2290

Protanopia

17.5886, 0.2316, 0.2194

Deuteranopia

17.4878, 0.2677, 0.2626



Tritanopia

17.2507, 0.3984, 0.3164

Trichromacy



Original Color

17.3470, 0.3352, 0.2290



Protanomaly

16.8301, 0.2612, 0.2198



Deuteranomaly

16.9135, 0.2887, 0.2463



Tritanomaly

17.1513, 0.3750, 0.2821

Monochromacy



Original Color

17.3470, 0.3352, 0.2290



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.1810, 0.3215, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3470, 0.3352, 0.2290 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, 86, 155)` looks like.

```
.text, #text, p{  
    color:rgb(168, 86, 155)  
}
```

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, 86, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 86, 155) }
```

Border

The CSS property to change the border of an element to Yxy 17.3470, 0.3352, 0.2290 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, 86, 155) }
```

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

```
.border{ border-color:rgb(168, 86, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 86, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 86, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 86, 155);  
box-shadow:4px 4px 4px 4px rgb(168, 86,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3470, 0.3352, 0.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 86, 155) }
```

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

```
.background{ background-color: rgb(168, 86,  
155) }
```

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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