

Converting Colors

$Y_{xy}(17.0953, 0.3008, 0.1995)$

Have a look what the booklet for
Yxy(17.0953, 0.3008, 0.1995)
contains.

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Color

Yxy(17.1566, 0.3010, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	A254B0
RGB	162, 84, 176
RGB Percent	64%, 33%, 69%
CMY	0.3646, 0.6707, 0.3098
CMYK	0.08, 0.52, 0.00, 0.31
HSL	291°, 37%, 51%
HSV	291°, 52%, 69%
XYZ	25.9114, 17.1566, 43.0163
YIQ	117.8100, 16.9560, 45.1480

Conversions

Conversions Part 2

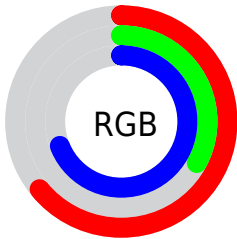
Format	Color
R_{YB}	162, 84, 176
Decimal	10638512
CIE _{Lab}	48.46, 46.37, -35.62
CIE _{LCh}	48, 58.476, 322.472
Yxy	17.1566, 0.3010, 0.1993
Android (android.graphics.Color)	4288828592 (0xFFA254B0)
YUV	117.8100, 28.6877, 38.7546
Hunter-Lab	41.4205, 39.1780, -32.5799

Details

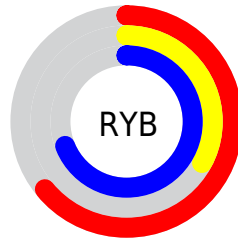
The Yxy color **17.1566, 0.3010, 0.1993** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.2813, 0.3153, 0.4879**, and the grayscale version is **17.9587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7776, 0.3056, 0.2247**, and **5.6512, 0.2918, 0.1605** is the 20% darker color. If you saturate the color by 10%, you get **14.4840, 0.2976, 0.1783**, and if you desaturate by 10%, it is **20.5229, 0.3041, 0.2229**.

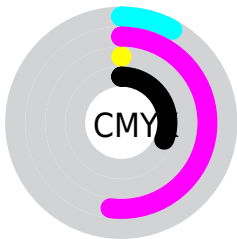
Distribution



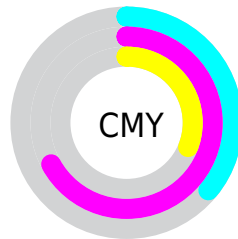
- Red (64%)
- Green (33%)
- Blue (69%)



- Red (64%)
- Yellow (33%)
- Blue (69%)



- Cyan (8%)
- Magenta (52%)
- Yellow (0%)
- Black (31%)





- Cyan (36%)
- Magenta (67%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1566, 0.3010, 0.1993 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 17.1566, 0.3010, 0.1993 by changing the saturation by 10% instead.


 17.1566, 0.3010,
0.1993


 17.1566, 0.3010,
0.1993


236.0732, 0.3102,
0.2667


 10.3462, 0.2973,
0.1821


 38.5948, 0.3053,
0.2242


 5.6291, 0.2917,
0.1602


 53.9915, 0.3066,
0.2334

 2.6209, 0.2824,
0.1315

 73.0189, 0.3076,
0.2412

 0.9372, 0.2659,
0.0937

 96.0617, 0.3084,
0.2478

 0.0000, 0.2442,
0.0000

 123.5041, 0.3090,
0.2535

 0.0000, 0.0000,
0.0000

155.7306, 0.3095,

0.2585

193.1255, 0.3099,
0.2628

■ 17.1566, 0.3010,
0.1993

■ 17.1566, 0.3010,
0.1993

■ 14.4840, 0.2976,
0.1783

■ 20.5229, 0.3041,
0.2229

■ 12.4503, 0.2938,
0.1607

■ 24.6277, 0.3068,
0.2480

■ 10.9963, 0.2899,
0.1472

■ 29.5145, 0.3091,
0.2736

■ 10.0506, 0.2860,
0.1381

■ 35.2231, 0.3109,
0.2990

■ 9.5514, 0.2830,
0.1333

■ 41.7903, 0.3124,
0.3236

■ 49.2507, 0.3136,
0.3468

■ 57.6371, 0.3144,
0.3685

■ 66.9805, 0.3150,
0.3884

■ 77.3107, 0.3154,
0.4067

Harmonies

Analogous

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



17.1566, 0.2076, 0.1732



17.1566, 0.3010, 0.1993



17.1566, 0.4187, 0.2495

Triad

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



17.1566, 0.3010, 0.1993



17.1566, 0.4796, 0.4650



17.1566, 0.1468, 0.2955

Complementary

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



17.1566, 0.3010, 0.1993



34.2813, 0.3153, 0.4879

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.



17.1566, 0.2004, 0.4256



17.1566, 0.3010, 0.1993



17.1566, 0.3917, 0.5300

Square

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



17.1566, 0.3010, 0.1993



17.1566, 0.5290, 0.3875



17.1566, 0.2906, 0.5288



17.1566, 0.1332, 0.2114

Rectangle

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



17.1566, 0.3010, 0.1993



17.1566, 0.4864, 0.2921



17.1566, 0.2906, 0.5288



17.1566, 0.1599, 0.3355

Sweetspot

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



17.1573, 0.3010, 0.1993



59.5638, 0.3102, 0.2890



14.0025, 0.2192, 0.1920



12.4598, 0.3099, 0.2839



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.



17.1573, 0.3010, 0.1993



25.5155, 0.2969, 0.1748



17.6217, 0.3602, 0.2422



8.5801, 0.3114, 0.3064



7.0289, 0.2834, 0.1335



0.2388, 0.2945, 0.1396

Inverse Universe

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



16.4482, 0.4374, 0.3091



24.2824, 0.4845, 0.3067



34.1619, 0.2855, 0.4382



8.5256, 0.3264, 0.3256



6.8350, 0.6163, 0.3169



0.2216, 0.5521, 0.2815

Previews

White Background



This preview shows how the Yxy color 17.1566, 0.3010, 0.1993 looks on a white background.

Color Contrast Check

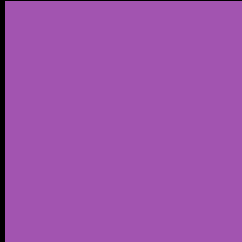
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1566, 0.3010, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

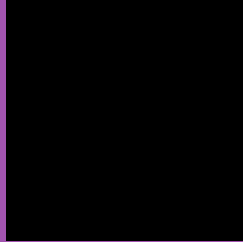
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1566, 0.3010, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 17.1566, 0.3010, 0.1993.



This preview shows how white text looks on a background with the Yxy color 17.1566, 0.3010, 0.1993.

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

17.1566, 0.3010, 0.1993

Protanopia

17.5704, 0.2043, 0.1844

Deuteranopia

17.4391, 0.2351, 0.2304



Tritanopia

17.1624, 0.3790, 0.3174

Trichromacy



Original Color

17.1566, 0.3010, 0.1993

Protanomaly

16.4788, 0.2284, 0.1842

Deuteranomaly

16.6611, 0.2543, 0.2147

Tritanomaly

16.9458, 0.3482, 0.2678

Monochromacy



Original Color

17.1566, 0.3010, 0.1993

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.2405, 0.3089, 0.2711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1566, 0.3010, 0.1993 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(162, 84, 176)` looks like.

```
.text, #text, p{  
    color:rgb(162, 84, 176)  
}
```

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(162, 84, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 84, 176) }
```

Border

The CSS property to change the border of an element to Yxy 17.1566, 0.3010, 0.1993 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(162, 84, 176) }
```

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

```
.border{ border-color:rgb(162, 84, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 84, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 84, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 84, 176);  
box-shadow:4px 4px 4px 4px rgb(162, 84,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1566, 0.3010, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 84, 176) }
```

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

```
.background{ background-color: rgb(162, 84,  
176) }
```

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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