

Converting Colors

$Y_{xy}(17.2623, 0.3190, 0.1953)$

Have a look what the booklet for
Yxy(17.2623, 0.3190, 0.1953)
contains.

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Color

Yxy(17.2623, 0.3190, 0.1953)

Conversions

Conversions Part 1

Format	Color
Hex	B04AB0
RGB	176, 74, 176
RGB Percent	69%, 29%, 69%
CMY	0.3097, 0.7099, 0.3097
CMYK	0.00, 0.58, 0.00, 0.31
HSL	300°, 41%, 49%
HSV	300°, 58%, 69%
XYZ	28.1960, 17.2623, 42.9304
YIQ	116.1260, 28.0500, 53.3460

Conversions

Conversions Part 2

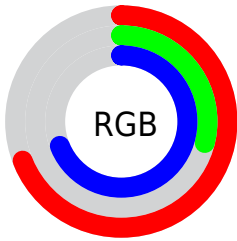
Format	Color
RYB	176, 74, 176
Decimal	11553456
CIELab	48.59, 55.07, -35.30
CIELCh	49, 65.407, 327.342
Yxy	17.2623, 0.3190, 0.1953
Android (android.graphics.Color)	4289743536 (0xFFB04AB0)
YUV	116.1260, 29.5179, 52.5095
Hunter-Lab	41.5479, 48.4279, -32.1792

Details

The Yxy color **17.2623, 0.3190, 0.1953** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **33.0110, 0.3041, 0.5125**, and the grayscale version is **17.4055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7570, 0.3197, 0.2204**, and **5.6402, 0.3149, 0.1554** is the 20% darker color. If you saturate the color by 10%, you get **15.2334, 0.3198, 0.1792**, and if you desaturate by 10%, it is **19.9503, 0.3181, 0.2148**.

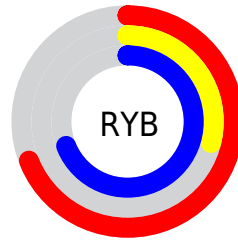
Distribution



Red (69%)

Green (29%)

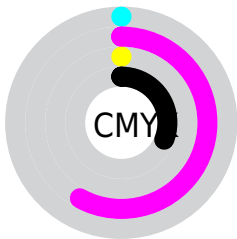
Blue (69%)



Red (69%)

Yellow (29%)

Blue (69%)

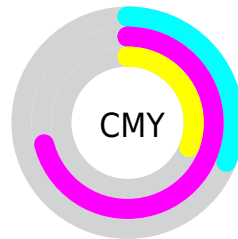


Cyan (0%)

Magenta (58%)

Yellow (0%)

Black (31%)



Cyan (31%)


Magenta (71%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2623, 0.3190, 0.1953 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 17.2623, 0.3190, 0.1953 by changing the saturation by 10% instead.


 17.2623, 0.3190,
0.1953


 17.2623, 0.3190,
0.1953


236.6794, 0.3185,
0.2640


 10.4217, 0.3180,
0.1780


 38.7762, 0.3196,
0.2205

 5.6794, 0.3159,
0.1561


 54.2183, 0.3195,
0.2299


 2.6512, 0.3116,
0.1277


 73.2963, 0.3194,
0.2378

 0.9524, 0.3022,
0.0906

 96.3947, 0.3193,
0.2446

 0.0000, 0.2933,
0.0000

 123.8978, 0.3191,
0.2505

 0.0000, 0.1156,
0.0000

156.1900, 0.3189,

 0.0000, 0.0000,

0.2556

0.0000

193.6558, 0.3187,
0.2601

■ 17.2623, 0.3190,
0.1953

■ 17.2623, 0.3190,
0.1953

■ 15.2334, 0.3198,
0.1792

■ 19.9503, 0.3181,
0.2148

■ 13.8047, 0.3203,
0.1671

■ 23.3449, 0.3170,
0.2369

■ 12.9111, 0.3207,
0.1591

■ 27.4920, 0.3159,
0.2607

■ 12.4460, 0.3209,
0.1549

■ 32.4329, 0.3148,
0.2853

■ 12.3686, 0.3209,
0.1542

■ 38.2061, 0.3136,
0.3099

■ 44.8474, 0.3125,
0.3338

■ 52.3905, 0.3114,
0.3565

■ 60.8674, 0.3104,
0.3779

■ 70.3086, 0.3095,
0.3977

Harmonies

Analogous

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



17.2623, 0.2109, 0.1631



17.2623, 0.3190, 0.1953



17.2623, 0.4507, 0.2519

Triad

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



17.2623, 0.3190, 0.1953



17.2623, 0.4769, 0.4857



17.2623, 0.1273, 0.2703

Complementary

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



17.2623, 0.3190, 0.1953



33.0110, 0.3041, 0.5125

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.



17.2623, 0.1754, 0.4118



17.2623, 0.3190, 0.1953



17.2623, 0.3762, 0.5574

Square

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



17.2623, 0.3190, 0.1953



17.2623, 0.5438, 0.3999



17.2623, 0.2670, 0.5442



17.2623, 0.1201, 0.1898

Rectangle

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



17.2623, 0.3190, 0.1953



17.2623, 0.5198, 0.2980



17.2623, 0.2670, 0.5442



17.2623, 0.1382, 0.3115

Sweetspot

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



17.2631, 0.3190, 0.1953



59.4627, 0.3147, 0.2870



9.4848, 0.2022, 0.1463



12.4796, 0.3149, 0.2822



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.



17.2631, 0.3190, 0.1953



26.6625, 0.3200, 0.1748



15.6084, 0.3956, 0.2567



8.6467, 0.3138, 0.3066



9.0718, 0.3209, 0.1542



0.2854, 0.3209, 0.1542

Inverse Universe

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



17.2631, 0.3190, 0.1953



26.6625, 0.3200, 0.1748



33.9976, 0.2728, 0.4205



8.6467, 0.3138, 0.3066



9.0718, 0.3209, 0.1542



0.2854, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 17.2623, 0.3190, 0.1953 looks on a white background.

Color Contrast Check

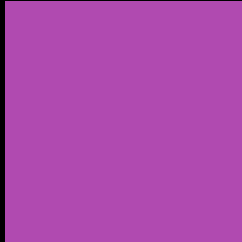
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2623, 0.3190, 0.1953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

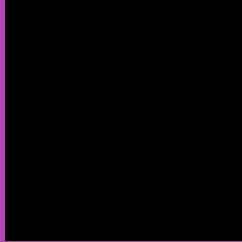
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2623, 0.3190, 0.1953

Background



This preview shows how black text looks on a background with the Yxy color 17.2623, 0.3190, 0.1953.



This preview shows how white text looks on a background with the Yxy color 17.2623, 0.3190, 0.1953.

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

17.2623, 0.3190, 0.1953

Protanopia

17.7067, 0.1965, 0.1741

Deuteranopia

17.5057, 0.2376, 0.2322



Tritanopia

17.1605, 0.4135, 0.3184

Trichromacy



Original Color

17.2623, 0.3190, 0.1953



Protanomaly

16.1267, 0.2245, 0.1747



Deuteranomaly

16.3780, 0.2611, 0.2105



Tritanomaly

16.9210, 0.3777, 0.2676

Monochromacy



Original Color

17.2623, 0.3190, 0.1953



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.5456, 0.3157, 0.2649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2623, 0.3190, 0.1953 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(176, 74, 176)` looks like.

```
.text, #text, p{  
    color:rgb(176, 74, 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(176, 74, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 74, 176) }
```

Border

The CSS property to change the border of an element to Yxy 17.2623, 0.3190, 0.1953 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(176, 74, 176) }
```

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

```
.border{ border-color:rgb(176, 74, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 74, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 74, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 74, 176);  
box-shadow:4px 4px 4px 4px rgb(176, 74,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2623, 0.3190, 0.1953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 74, 176) }
```

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

```
.background{ background-color: rgb(176, 74,  
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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