

Converting Colors

$Y_{xy}(17.0093, 0.3191, 0.1935)$

Have a look what the booklet for
Yxy(17.0093, 0.3191, 0.1935)
contains.

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Color

Yxy(16.9994, 0.3191, 0.1933)

Conversions

Conversions Part 1

Format	Color
Hex	B048B0
RGB	176, 72, 176
RGB Percent	69%, 28%, 69%
CMY	0.3097, 0.7177, 0.3098
CMYK	0.00, 0.59, 0.00, 0.31
HSL	300°, 42%, 49%
HSV	300°, 59%, 69%
XYZ	28.0626, 16.9994, 42.8811
YIQ	114.9520, 28.6000, 54.3920

Conversions

Conversions Part 2

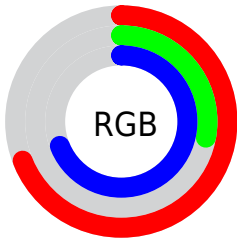
Format	Color
RYB	176, 72, 176
Decimal	11552944
CIELab	48.26, 55.96, -35.81
CIELCh	48, 66.436, 327.386
Yxy	16.9994, 0.3191, 0.1933
Android (android.graphics.Color)	4289743024 (0xFFB048B0)
YUV	114.9520, 30.0967, 53.5391
Hunter-Lab	41.2303, 49.3396, -32.8025

Details

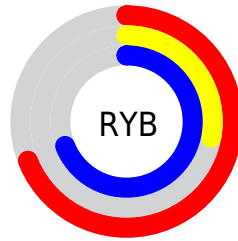
The Yxy color **16.9994, 0.3191, 0.1933** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **32.9044, 0.3039, 0.5163**, and the grayscale version is **17.0287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2403, 0.3198, 0.2185**, and **5.5317, 0.3150, 0.1532** is the 20% darker color. If you saturate the color by 10%, you get **15.0415, 0.3198, 0.1776**, and if you desaturate by 10%, it is **19.6103, 0.3182, 0.2125**.

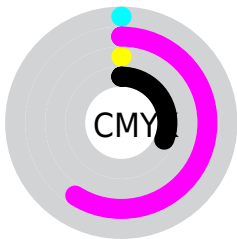
Distribution



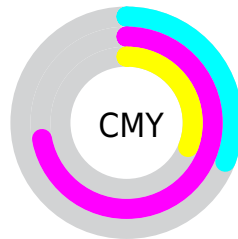
- Red (69%)
- Green (28%)
- Blue (69%)



- Red (69%)
- Yellow (28%)
- Blue (69%)



- Cyan (0%)
- Magenta (59%)
- Yellow (0%)
- Black (31%)




- Cyan (31%)
- Magenta (72%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9994, 0.3191, 0.1933 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 16.9994, 0.3191, 0.1933 by changing the saturation by 10% instead.


 16.9994, 0.3191,
0.1933


 16.9994, 0.3191,
0.1933


235.1689, 0.3186,
0.2630


 10.2341, 0.3181,
0.1758


 38.3247, 0.3197,
0.2188

 5.5544, 0.3159,
0.1536


 53.6535, 0.3197,
0.2284

 2.5761, 0.3114,
0.1249


 72.6056, 0.3196,
0.2364

 0.9147, 0.3016,
0.0877

 95.5654, 0.3194,
0.2433

 0.0000, 0.2911,
0.0000

 122.9172, 0.3192,
0.2493

 0.0000, 0.1068,
0.0000

155.0454, 0.3190,

 0.0000, 0.0000,

0.2545

0.0000

192.3346, 0.3188,
0.2590

■ 16.9994, 0.3191,
0.1933

■ 16.9994, 0.3191,
0.1933

■ 15.0415, 0.3198,
0.1776

■ 19.6103, 0.3182,
0.2125

■ 13.6769, 0.3204,
0.1660

■ 22.9223, 0.3172,
0.2343

■ 12.8392, 0.3207,
0.1585

■ 26.9819, 0.3161,
0.2580

■ 12.4015, 0.3209,
0.1545

■ 31.8308, 0.3149,
0.2825

■ 12.3673, 0.3210,
0.1542

■ 37.5076, 0.3137,
0.3071

■ 44.0485, 0.3126,
0.3311

■ 51.4875, 0.3115,
0.3540

■ 59.8567, 0.3105,
0.3756

■ 69.1866, 0.3096,
0.3955

Harmonies

Analogous

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



16.9994, 0.2092, 0.1608



16.9994, 0.3191, 0.1933



16.9994, 0.4536, 0.2506

Triad

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



16.9994, 0.3191, 0.1933



16.9994, 0.4785, 0.4873



16.9994, 0.1244, 0.2685

Complementary

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



16.9994, 0.3191, 0.1933



32.9044, 0.3039, 0.5163

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.



16.9994, 0.1727, 0.4133



16.9994, 0.3191, 0.1933



16.9994, 0.3759, 0.5616

Square

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



16.9994, 0.3191, 0.1933



16.9994, 0.5473, 0.3999



16.9994, 0.2653, 0.5493



16.9994, 0.1175, 0.1873

Rectangle

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



16.9994, 0.3191, 0.1933



16.9994, 0.5240, 0.2971



16.9994, 0.2653, 0.5493



16.9994, 0.1353, 0.3105

Sweetspot

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



17.0002, 0.3191, 0.1933



58.4729, 0.3148, 0.2845



9.1450, 0.2000, 0.1426



12.0890, 0.3151, 0.2774



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.



17.0002, 0.3191, 0.1933



26.3859, 0.3200, 0.1735



15.3205, 0.3980, 0.2555



8.6467, 0.3138, 0.3066



9.0716, 0.3210, 0.1542



0.2854, 0.3209, 0.1542

Inverse Universe

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



17.0002, 0.3191, 0.1933



26.3859, 0.3200, 0.1735



33.8919, 0.2723, 0.4226



8.6467, 0.3138, 0.3066



9.0716, 0.3210, 0.1542



0.2854, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 16.9994, 0.3191, 0.1933 looks on a white background.

Color Contrast Check

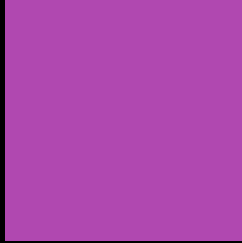
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9994, 0.3191, 0.1933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

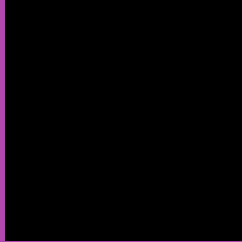
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9994, 0.3191, 0.1933

Background



This preview shows how black text looks on a background with the Yxy color 16.9994, 0.3191, 0.1933.



This preview shows how white text looks on a background with the Yxy color 16.9994, 0.3191, 0.1933.

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

16.9994, 0.3191, 0.1933

Protanopia

17.4318, 0.1944, 0.1712

Deuteranopia

17.1745, 0.2355, 0.2299



Tritanopia

16.9643, 0.4158, 0.3184

Trichromacy



Original Color

16.9994, 0.3191, 0.1933

Protanomaly

15.6762, 0.2217, 0.1703

Deuteranomaly

16.1132, 0.2598, 0.2085

Tritanomaly

16.6016, 0.3783, 0.2648

Monochromacy



Original Color

16.9994, 0.3191, 0.1933

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.0482, 0.3158, 0.2627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9994, 0.3191, 0.1933 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, 72, 176)` looks like.

```
.text, #text, p{  
    color:rgb(176, 72, 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, 72, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 72, 176) }
```

Border

The CSS property to change the border of an element to Yxy 16.9994, 0.3191, 0.1933 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, 72, 176) }
```

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

```
.border{ border-color:rgb(176, 72, 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, 72, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 72, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 72, 176);  
box-shadow:4px 4px 4px 4px rgb(176, 72,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9994, 0.3191, 0.1933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 72, 176) }
```

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

```
.background{ background-color: rgb(176, 72,  
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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