

Converting Colors

$Y_{xy}(18.7808, 0.3344, 0.2344)$

Have a look what the booklet for
Yxy(18.7808, 0.3344, 0.2344)
contains.

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Color

Yxy(18.7808, 0.3344, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	AB5C9E
RGB	171, 92, 158
RGB Percent	67%, 36%, 62%
CMY	0.3294, 0.6392, 0.3805
CMYK	0.00, 0.46, 0.08, 0.33
HSL	310°, 32%, 52%
HSV	310°, 46%, 67%
XYZ	26.7931, 18.7808, 34.5490
YIQ	123.1450, 25.8980, 37.2740

Conversions

Conversions Part 2

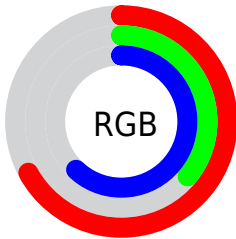
Format	Color
R_{YB}	171, 92, 158
Decimal	11230366
CIE _{Lab}	50.43, 41.51, -21.88
CIE _{LCh}	50, 46.920, 332.206
Yxy	18.7808, 0.3344, 0.2344
Android (android.graphics.Color)	4289420446 (0xFFAB5C9E)
YUV	123.1450, 17.1835, 41.9688
Hunter-Lab	43.3368, 34.5186, -16.9314

Details

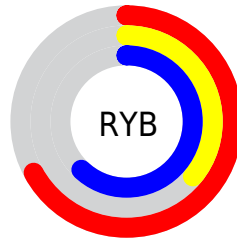
The Yxy color **18.7808, 0.3344, 0.2344** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.4261, 0.2972, 0.4475**, and the grayscale version is **19.7938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5489, 0.3305, 0.2537**, and **6.4084, 0.3412, 0.2038** is the 20% darker color. If you saturate the color by 10%, you get **16.0497, 0.3404, 0.2165**, and if you desaturate by 10%, it is **22.1846, 0.3288, 0.2542**.

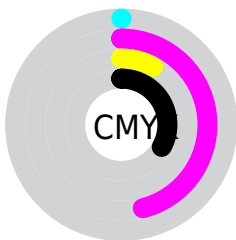
Distribution



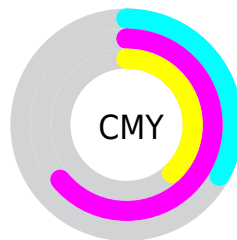
- Red (67%)
- Green (36%)
- Blue (62%)



- Red (67%)
- Yellow (36%)
- Blue (62%)



- Cyan (0%)
- Magenta (46%)
- Yellow (8%)
- Black (33%)





- Cyan (33%)
- Magenta (64%)
- Yellow (38%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7808, 0.3344, 0.2344 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 18.7808, 0.3344, 0.2344 by changing the saturation by 10% instead.


 18.7808, 0.3344,
0.2344


 18.7808, 0.3344,
0.2344


245.2360, 0.3237,
0.2847


 11.5120, 0.3369,
0.2210


 41.3634, 0.3306,
0.2533


 6.4123, 0.3400,
0.2032


 57.4459, 0.3291,
0.2603

 3.0974, 0.3436,
0.1789


 77.2352, 0.3279,
0.2660

 1.1828, 0.3476,
0.1440

 101.1156, 0.3268,
0.2709

 0.0476, 0.3784,
0.0167

129.4714, 0.3259,
0.2751

 0.0000, 0.0163,
0.0000

162.6872, 0.3250,

 0.0000, 0.0000,

0.2787

0.0000

201.1472, 0.3243,
0.2819

■ 18.7808, 0.3344,
0.2344

■ 18.7808, 0.3344,
0.2344

■ 16.0497, 0.3404,
0.2165

■ 22.1846, 0.3288,
0.2542

■ 13.9431, 0.3467,
0.2015

■ 26.2999, 0.3236,
0.2750

■ 12.4106, 0.3530,
0.1901

■ 31.1654, 0.3190,
0.2960

■ 11.3928, 0.3592,
0.1830

■ 36.8165, 0.3150,
0.3166

■ 10.8097, 0.3651,
0.1803

■ 43.2863, 0.3114,
0.3364

■ 10.6361, 0.3673,
0.1797

■ 50.6059, 0.3084,
0.3551

■ 58.8048, 0.3058,
0.3725

■ 67.9111, 0.3036,
0.3886

■ 77.9517, 0.3018,
0.4034

Harmonies

Analogous

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



18.7808, 0.2503, 0.2049



18.7808, 0.3344, 0.2344



18.7808, 0.4236, 0.2828

Triad

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



18.7808, 0.3344, 0.2344



18.7808, 0.4324, 0.4636



18.7808, 0.1698, 0.2796

Complementary

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



18.7808, 0.3344, 0.2344



32.4261, 0.2972, 0.4475

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.



18.7808, 0.2061, 0.3708



18.7808, 0.3344, 0.2344



18.7808, 0.3566, 0.4935

Square

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



18.7808, 0.3344, 0.2344



18.7808, 0.4804, 0.4052



18.7808, 0.2737, 0.4607



18.7808, 0.1663, 0.2221

Rectangle

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



18.7808, 0.3344, 0.2344



18.7808, 0.4670, 0.3216



18.7808, 0.2737, 0.4607



18.7808, 0.1781, 0.3070

Sweetspot

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



18.7817, 0.3344, 0.2344



57.6719, 0.3182, 0.3001



13.5298, 0.2388, 0.1915



12.4140, 0.3191, 0.2957



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.7817, 0.3344, 0.2344



28.8391, 0.3403, 0.2169



17.6616, 0.3904, 0.2874



8.1250, 0.3162, 0.3103



8.0235, 0.3668, 0.1794



0.2291, 0.3508, 0.1706

Inverse Universe

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



18.7817, 0.3344, 0.2344



28.8391, 0.3403, 0.2169



33.3994, 0.2702, 0.3766



8.1250, 0.3162, 0.3103



8.0235, 0.3668, 0.1794



0.2291, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 18.7808, 0.3344, 0.2344 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7808, 0.3344, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

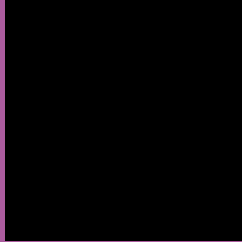
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7808, 0.3344, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 18.7808, 0.3344, 0.2344.



This preview shows how white text looks on a background with the Yxy color 18.7808, 0.3344, 0.2344.

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

18.7808, 0.3344, 0.2344

Protanopia

19.1577, 0.2367, 0.2269

Deuteranopia

18.9016, 0.2719, 0.2663



Tritanopia

18.6279, 0.3923, 0.3166

Trichromacy



Original Color

18.7808, 0.3344, 0.2344

Protanomaly

18.3132, 0.2656, 0.2270

Deuteranomaly

18.4547, 0.2917, 0.2518

Tritanomaly

18.4832, 0.3713, 0.2844

Monochromacy



Original Color

18.7808, 0.3344, 0.2344

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9414, 0.3198, 0.2877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7808, 0.3344, 0.2344 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(171, 92, 158)` looks like.

```
.text, #text, p{  
    color:rgb(171, 92, 158)  
}
```

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(171, 92, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 92, 158) }
```

Border

The CSS property to change the border of an element to Yxy 18.7808, 0.3344, 0.2344 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(171, 92, 158) }
```

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

```
.border{ border-color:rgb(171, 92, 158) }
```

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

Here you see how a box with a 4 pixel rgb(171, 92, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 92, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 92, 158);  
box-shadow:4px 4px 4px 4px rgb(171, 92,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7808, 0.3344, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 92, 158) }
```

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

```
.background{ background-color: rgb(171, 92,  
158) }
```

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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