

Converting Colors

$Yxy(16.2017, 0.3434, 0.2065)$

Have a look what the booklet for
Yxy(16.2017, 0.3434, 0.2065)
contains.

Yxy(16.1724, 0.3424, 0.2061)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.1724, 0.3424, 0.2061)

Conversions

Conversions Part 1

Format	Color
Hex	B244A1
RGB	178, 68, 161
RGB Percent	70%, 27%, 63%
CMY	0.3018, 0.7335, 0.3686
CMYK	0.00, 0.62, 0.10, 0.30
HSL	309°, 45%, 48%
HSV	309°, 62%, 70%
XYZ	26.8677, 16.1724, 35.4286
YIQ	111.4920, 35.7070, 52.2430

Conversions

Conversions Part 2

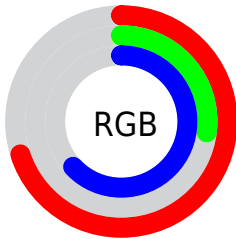
Format	Color
R_{YB}	178, 68, 161
Decimal	11682977
CIE _{Lab}	47.20, 55.73, -28.60
CIE _{LCh}	47, 62.641, 332.838
Yxy	16.1724, 0.3424, 0.2061
Android (android.graphics.Color)	4289873057 (0xFFB244A1)
YUV	111.4920, 24.4074, 58.3275
Hunter-Lab	40.2149, 48.8802, -24.0830

Details

The Yxy color **16.1724, 0.3424, 0.2061** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **33.7402, 0.2945, 0.4981**, and the grayscale version is **15.9638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9567, 0.3374, 0.2306**, and **5.2417, 0.3486, 0.1694** is the 20% darker color. If you saturate the color by 10%, you get **14.2421, 0.3483, 0.1930**, and if you desaturate by 10%, it is **18.7601, 0.3366, 0.2227**.

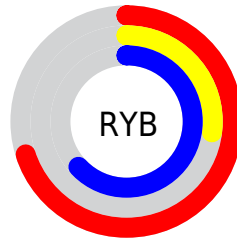
Distribution



Red (70%)

Green (27%)

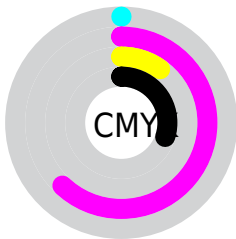
Blue (63%)



Red (70%)

Yellow (27%)

Blue (63%)

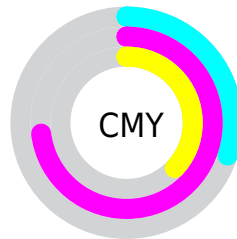


Cyan (0%)

Magenta (62%)

Yellow (10%)

Black (30%)



Cyan (30%)


Magenta (73%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1724, 0.3424, 0.2061 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 16.1724, 0.3424, 0.2061 by changing the saturation by 10% instead.


 16.1724, 0.3424,
0.2061


 16.1724, 0.3424,
0.2061


230.3569, 0.3281,
0.2707


 9.6462, 0.3455,
0.1893


 36.8972, 0.3375,
0.2302


 5.1650, 0.3492,
0.1675


 51.8647, 0.3355,
0.2391


 2.3444, 0.3531,
0.1385


 70.4147, 0.3338,
0.2465

 0.7971, 0.3562,
0.0989

 92.9317, 0.3324,
0.2528

 0.0000, 0.3708,
0.0000

 119.8000, 0.3311,
0.2582

 0.0000, 0.0291,
0.0000

151.4040, 0.3300,

 0.0000, 0.0000,

0.2629

0.0000

188.1282, 0.3290,
0.2671

■ 16.1724, 0.3424,
0.2061

■ 16.1724, 0.3424,
0.2061

■ 14.2421, 0.3483,
0.1930

■ 18.7601, 0.3366,
0.2227

■ 12.9055, 0.3542,
0.1839

■ 22.0566, 0.3310,
0.2417

■ 12.0904, 0.3598,
0.1793

■ 26.1108, 0.3259,
0.2623

■ 11.6878, 0.3642,
0.1780

■ 30.9667, 0.3212,
0.2835

■ 36.6648, 0.3170,
0.3047

■ 43.2429, 0.3133,
0.3253

■ 50.7365, 0.3102,
0.3450

■ 59.1794, 0.3074,
0.3634

■ 68.6032, 0.3051,
0.3805

Harmonies

Analogous

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



16.1724, 0.2291, 0.1694



16.1724, 0.3424, 0.2061



16.1724, 0.4693, 0.2656

Triad

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



16.1724, 0.3424, 0.2061



16.1724, 0.4586, 0.4994



16.1724, 0.1262, 0.2527

Complementary

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



16.1724, 0.3424, 0.2061



33.7402, 0.2945, 0.4981

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.



16.1724, 0.1659, 0.3818



16.1724, 0.3424, 0.2061



16.1724, 0.3565, 0.5593

Square

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



16.1724, 0.3424, 0.2061



16.1724, 0.5322, 0.4151



16.1724, 0.2497, 0.5221



16.1724, 0.1252, 0.1838

Rectangle

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



16.1724, 0.3424, 0.2061



16.1724, 0.5283, 0.3123



16.1724, 0.2497, 0.5221



16.1724, 0.1345, 0.2892

Sweetspot

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



16.1732, 0.3424, 0.2061



58.5625, 0.3201, 0.2889



9.2526, 0.2083, 0.1397



12.3644, 0.3213, 0.2828



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.1732, 0.3424, 0.2061



24.8621, 0.3504, 0.1893



14.6504, 0.4344, 0.2759



8.6237, 0.3160, 0.3100



8.3661, 0.3636, 0.1777



0.2693, 0.3500, 0.1702

Inverse Universe

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



16.1732, 0.3424, 0.2061



24.8621, 0.3504, 0.1893



34.9635, 0.2611, 0.3967



8.6237, 0.3160, 0.3100



8.3661, 0.3636, 0.1777



0.2693, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 16.1724, 0.3424, 0.2061 looks on a white background.

Color Contrast Check

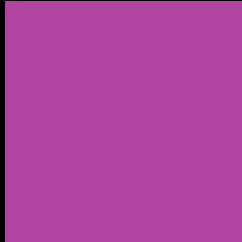
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1724, 0.3424, 0.2061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

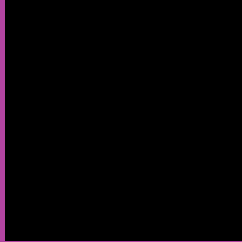
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1724, 0.3424, 0.2061

Background



This preview shows how black text looks on a background with the Yxy color 16.1724, 0.3424, 0.2061.



This preview shows how white text looks on a background with the Yxy color 16.1724, 0.3424, 0.2061.

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

16.1724, 0.3424, 0.2061

Protanopia

16.5995, 0.2043, 0.1843

Deuteranopia

16.4113, 0.2540, 0.2485



Tritanopia

16.2646, 0.4368, 0.3204

Trichromacy



Original Color

16.1724, 0.3424, 0.2061

Protanomaly

15.0246, 0.2366, 0.1842

Deuteranomaly

15.2079, 0.2801, 0.2233

Tritanomaly

16.0440, 0.4024, 0.2736

Monochromacy



Original Color

16.1724, 0.3424, 0.2061

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

14.9203, 0.3242, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1724, 0.3424, 0.2061 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(178, 68, 161)` looks like.

```
.text, #text, p{  
    color:rgb(178, 68, 161)  
}
```

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(178, 68, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 68, 161) }
```

Border

The CSS property to change the border of an element to Yxy 16.1724, 0.3424, 0.2061 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(178, 68, 161) }
```

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

```
.border{ border-color:rgb(178, 68, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 68, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 68, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 68, 161);  
box-shadow:4px 4px 4px 4px rgb(178, 68,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1724, 0.3424, 0.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 68, 161) }
```

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

```
.background{ background-color: rgb(178, 68,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor