

Converting Colors

$Y_{xy}(18.2709, 0.3254, 0.2277)$

Have a look what the booklet for
Yxy(18.2709, 0.3254, 0.2277)
contains.

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Color

Yxy(18.2709, 0.3254, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	A75BA1
RGB	167, 91, 161
RGB Percent	65%, 36%, 63%
CMY	0.3451, 0.6431, 0.3687
CMYK	0.00, 0.46, 0.04, 0.35
HSL	305°, 30%, 51%
HSV	305°, 46%, 65%
XYZ	26.1105, 18.2709, 35.8598
YIQ	121.7040, 22.8260, 37.8820

Conversions

Conversions Part 2

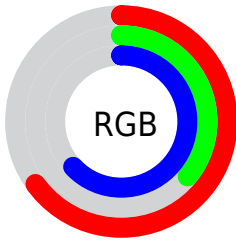
Format	Color
R_{YB}	167, 91, 161
Decimal	10967969
CIE _{Lab}	49.82, 41.31, -24.63
CIE _{LCh}	50, 48.098, 329.199
Yxy	18.2709, 0.3254, 0.2277
Android (android.graphics.Color)	4289158049 (0xFFA75BA1)
YUV	121.7040, 19.3729, 39.7246
Hunter-Lab	42.7445, 34.2339, -19.8192

Details

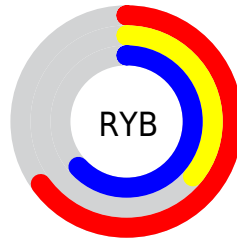
The Yxy color **18.2709, 0.3254, 0.2277** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.7289, 0.3020, 0.4573**, and the grayscale version is **19.2914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4501, 0.3241, 0.2476**, and **6.1324, 0.3272, 0.1943** is the 20% darker color. If you saturate the color by 10%, you get **15.6806, 0.3286, 0.2084**, and if you desaturate by 10%, it is **21.4988, 0.3223, 0.2490**.

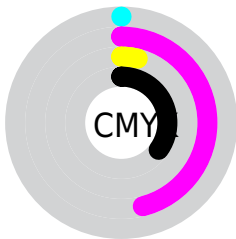
Distribution



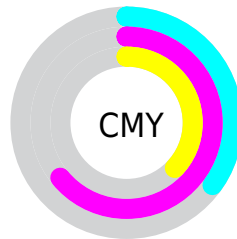
- Red (65%)
- Green (36%)
- Blue (63%)



- Red (65%)
- Yellow (36%)
- Blue (63%)



- Cyan (0%)
- Magenta (46%)
- Yellow (4%)
- Black (35%)




- Cyan (35%)
- Magenta (64%)
- Yellow (37%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2709, 0.3254, 0.2277 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 18.2709, 0.3254, 0.2277 by changing the saturation by 10% instead.


 18.2709, 0.3254,
0.2277


 18.2709, 0.3254,
0.2277


242.3936, 0.3199,
0.2814


 11.1447, 0.3263,
0.2134


 40.4984, 0.3237,
0.2479


 6.1642, 0.3271,
0.1946


 56.3684, 0.3230,
0.2553

 2.9452, 0.3272,
0.1690

 75.9219, 0.3223,
0.2615

 1.1032, 0.3254,
0.1328

 99.5431, 0.3217,
0.2667

 0.0000, 0.3441,
0.0000

127.6164, 0.3212,
0.2711

 0.0000, 0.0000,
0.0000

160.5264, 0.3207,

0.2750

198.6573, 0.3203,
0.2784

■ 18.2709, 0.3254,
0.2277

■ 18.2709, 0.3254,
0.2277

■ 15.6806, 0.3286,
0.2084

■ 21.4988, 0.3223,
0.2490

■ 13.6826, 0.3319,
0.1922

■ 25.4005, 0.3193,
0.2715

■ 12.2301, 0.3350,
0.1796


■ 30.0124, 0.3165,
0.2944


■ 11.2676, 0.3379,
0.1712


■ 35.3678, 0.3140,
0.3169


■ 10.7243, 0.3406,
0.1669


■ 41.4976, 0.3117,
0.3386

 10.5418, 0.3417,
0.1656

 48.4311, 0.3098,
0.3592

 56.1960, 0.3080,
0.3783

 64.8189, 0.3065,
0.3960

 74.3250, 0.3052,
0.4123

Harmonies

Analogous

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



18.2709, 0.2410, 0.1998



18.2709, 0.3254, 0.2277



18.2709, 0.4190, 0.2756

Triad

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



18.2709, 0.3254, 0.2277



18.2709, 0.4420, 0.4618



18.2709, 0.1679, 0.2856

Complementary

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



18.2709, 0.3254, 0.2277



30.7289, 0.3020, 0.4573

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.



18.2709, 0.2083, 0.3826



18.2709, 0.3254, 0.2277



18.2709, 0.3657, 0.4985

Square

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



18.2709, 0.3254, 0.2277



18.2709, 0.4880, 0.4000



18.2709, 0.2802, 0.4727



18.2709, 0.1613, 0.2229

Rectangle

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



18.2709, 0.3254, 0.2277



18.2709, 0.4669, 0.3147



18.2709, 0.2802, 0.4727



18.2709, 0.1774, 0.3151

Sweetspot

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



18.2717, 0.3254, 0.2277



54.8747, 0.3162, 0.2973



12.7636, 0.2337, 0.1919



11.8628, 0.3167, 0.2925



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.2717, 0.3254, 0.2277



27.8819, 0.3288, 0.2076



17.1529, 0.3785, 0.2785



7.6562, 0.3149, 0.3085



8.0690, 0.3415, 0.1655



0.1992, 0.3340, 0.1614

Inverse Universe

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



18.2717, 0.3254, 0.2277



27.8819, 0.3288, 0.2076



31.5885, 0.2753, 0.3875



7.6562, 0.3149, 0.3085



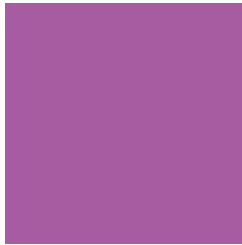
8.0690, 0.3415, 0.1655



0.1992, 0.3340, 0.1614

Previews

White Background



This preview shows how the Yxy color 18.2709, 0.3254, 0.2277 looks on a white background.

Color Contrast Check

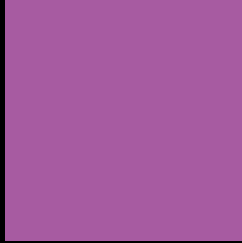
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2709, 0.3254, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

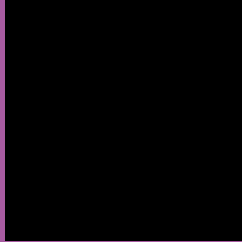
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2709, 0.3254, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 18.2709, 0.3254, 0.2277.



This preview shows how white text looks on a background with the Yxy color 18.2709, 0.3254, 0.2277.

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

18.2709, 0.3254, 0.2277

Protanopia

18.5868, 0.2309, 0.2186

Deuteranopia

18.4379, 0.2637, 0.2588



Tritanopia

18.2056, 0.3868, 0.3163

Trichromacy



Original Color

18.2709, 0.3254, 0.2277



Protanomaly

17.9187, 0.2585, 0.2203



Deuteranomaly

18.0190, 0.2837, 0.2447



Tritanomaly

18.1069, 0.3629, 0.2804

Monochromacy



Original Color

18.2709, 0.3254, 0.2277



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.5497, 0.3173, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2709, 0.3254, 0.2277 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(167, 91, 161)` looks like.

```
.text, #text, p{  
    color:rgb(167, 91, 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(167, 91, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 91, 161) }
```

Border

The CSS property to change the border of an element to Yxy 18.2709, 0.3254, 0.2277 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(167, 91, 161) }
```

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

```
.border{ border-color:rgb(167, 91, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 91, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 91, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 91, 161); box-shadow:4px 4px 4px 4px rgb(167, 91, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2709, 0.3254, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 91, 161) }
```

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

```
.background{ background-color: rgb(167, 91,  
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](#).

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