

Converting Colors

$Yxy(18.4517, 0.3183, 0.2087)$

Have a look what the booklet for
Yxy(18.4517, 0.3183, 0.2087)
contains.

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Color

Yxy(18.3984, 0.3183, 0.2090)

Conversions

Conversions Part 1

Format	Color
Hex	AD55AD
RGB	173, 85, 173
RGB Percent	68%, 33%, 68%
CMY	0.3217, 0.6666, 0.3215
CMYK	0.00, 0.51, 0.00, 0.32
HSL	300°, 35%, 51%
HSV	300°, 51%, 68%
XYZ	28.0201, 18.3984, 41.6121
YIQ	121.3440, 24.2000, 46.0240

Conversions

Conversions Part 2

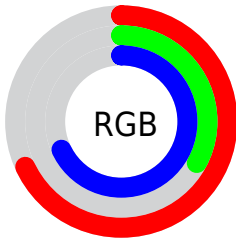
Format	Color
R_{YB}	173, 85, 173
Decimal	11359661
CIE _{Lab}	49.98, 48.39, -31.39
CIE _{LCh}	50, 57.681, 327.033
Yxy	18.3984, 0.3183, 0.2090
Android (android.graphics.Color)	4289549741 (0xFFAD55AD)
YUV	121.3440, 25.4664, 45.3023
Hunter-Lab	42.8934, 41.5420, -27.4936

Details

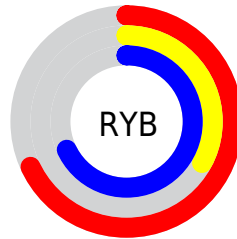
The Yxy color $18.3984, 0.3183, 0.2090$ is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be $32.4797, 0.3053, 0.4876$, and the grayscale version is $19.1497, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.6571, 0.3182, 0.2316$, and $6.1876, 0.3162, 0.1723$ is the 20% darker color. If you saturate the color by 10%, you get $15.9984, 0.3192, 0.1904$, and if you desaturate by 10%, it is $21.4660, 0.3173, 0.2305$.

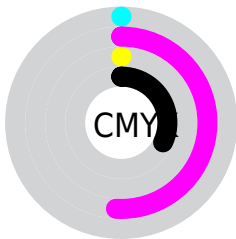
Distribution



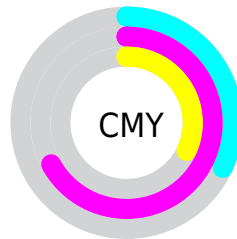
- Red (68%)
- Green (33%)
- Blue (68%)



- Red (68%)
- Yellow (33%)
- Blue (68%)



- Cyan (0%)
- Magenta (51%)
- Yellow (0%)
- Black (32%)





- Cyan (32%)
- Magenta (67%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3984, 0.3183, 0.2090 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 18.3984, 0.3183, 0.2090 by changing the saturation by 10% instead.


 18.3984, 0.3183,
0.2090


 18.3984, 0.3183,
0.2090


243.1071, 0.3175,
0.2712


 11.2364, 0.3176,
0.1931


 40.7150, 0.3186,
0.2320


 6.2261, 0.3160,
0.1726


 56.6384, 0.3186,
0.2405


 2.9830, 0.3127,
0.1456


 76.2511, 0.3184,
0.2477

 1.1229, 0.3052,
0.1093

 99.9374, 0.3183,
0.2538

 0.0000, 0.3056,
0.0000

 128.0818, 0.3181,
0.2590

 0.0000, 0.1138,
0.0000

161.0686, 0.3179,

 0.0000, 0.0000,

0.2636

0.0000

199.2823, 0.3177,
0.2677

■ 18.3984, 0.3183,
0.2090

■ 18.3984, 0.3183,
0.2090

■ 15.9984, 0.3192,
0.1904

■ 21.4660, 0.3173,
0.2305

■ 14.2142, 0.3199,
0.1754

■ 25.2431, 0.3162,
0.2538

■ 12.9904, 0.3204,
0.1644

■ 29.7713, 0.3151,
0.2783

■ 12.2603, 0.3207,
0.1576

■ 35.0879, 0.3139,
0.3029

■ 11.8942, 0.3208,
0.1541

■ 41.2281, 0.3128,
0.3270

■ 48.2247, 0.3117,
0.3501

■ 56.1089, 0.3107,
0.3719

■ 64.9101, 0.3098,
0.3921

■ 74.6567, 0.3089,
0.4106

Harmonies

Analogous

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



18.3984, 0.2223, 0.1796



18.3984, 0.3183, 0.2090



18.3984, 0.4316, 0.2611

Triad

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



18.3984, 0.3183, 0.2090



18.3984, 0.4644, 0.4736



18.3984, 0.1472, 0.2816

Complementary

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



18.3984, 0.3183, 0.2090



32.4797, 0.3053, 0.4876

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.



18.3984, 0.1938, 0.4020



18.3984, 0.3183, 0.2090



18.3984, 0.3761, 0.5289

Square

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



18.3984, 0.3183, 0.2090



18.3984, 0.5189, 0.3988



18.3984, 0.2776, 0.5111



18.3984, 0.1388, 0.2073

Rectangle

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



18.3984, 0.3183, 0.2090



18.3984, 0.4917, 0.3040



18.3984, 0.2776, 0.5111



18.3984, 0.1582, 0.3177

Sweetspot

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



18.3992, 0.3183, 0.2090



58.4609, 0.3144, 0.2920



11.6843, 0.2176, 0.1735



12.2866, 0.3147, 0.2870



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.



18.3992, 0.3183, 0.2090



28.2062, 0.3193, 0.1884



17.0106, 0.3786, 0.2624



8.1479, 0.3138, 0.3067



8.7375, 0.3208, 0.1541



0.2431, 0.3209, 0.1541

Inverse Universe

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



16.0428, 0.4543, 0.3294



23.5090, 0.5054, 0.3295



33.3684, 0.2770, 0.4097



8.0154, 0.3286, 0.3290



6.5269, 0.6400, 0.3299



0.1816, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 18.3984, 0.3183, 0.2090 looks on a white background.

Color Contrast Check

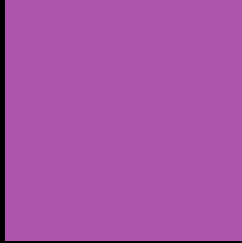
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3984, 0.3183, 0.2090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

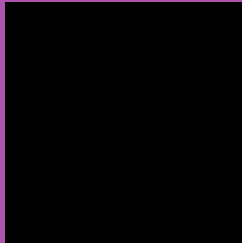
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3984, 0.3183, 0.2090

Background



This preview shows how black text looks on a background with the Yxy color 18.3984, 0.3183, 0.2090.



This preview shows how white text looks on a background with the Yxy color 18.3984, 0.3183, 0.2090.

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

18.3984, 0.3183, 0.2090

Protanopia

18.8240, 0.2127, 0.1950

Deuteranopia

18.6305, 0.2479, 0.2425



Tritanopia

18.3894, 0.3958, 0.3182

Trichromacy



Original Color

18.3984, 0.3183, 0.2090



Protanomaly

17.6028, 0.2402, 0.1950



Deuteranomaly

17.7618, 0.2692, 0.2253



Tritanomaly

18.1752, 0.3663, 0.2728

Monochromacy



Original Color

18.3984, 0.3183, 0.2090



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

18.1940, 0.3153, 0.2743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3984, 0.3183, 0.2090 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(173, 85, 173)` looks like.

```
.text, #text, p{  
    color:rgb(173, 85, 173)  
}
```

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(173, 85, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 85, 173) }
```

Border

The CSS property to change the border of an element to Yxy 18.3984, 0.3183, 0.2090 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(173, 85, 173) }
```

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

```
.border{ border-color:rgb(173, 85, 173) }
```

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

Here you see how a box with a 4 pixel rgb(173, 85, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 85, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 85, 173);  
box-shadow:4px 4px 4px 4px rgb(173, 85,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3984, 0.3183, 0.2090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 85, 173) }
```

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

```
.background{ background-color: rgb(173, 85,  
173) }
```

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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