

Converting Colors

$Y_{xy}(18.4275, 0.3609, 0.2604)$

Have a look what the booklet for
Yxy(18.4275, 0.3609, 0.2604)
contains.

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Color

Yxy(18.4634, 0.3620, 0.2612)

Conversions

Conversions Part 1

Format	Color
Hex	AC5D8B
RGB	172, 93, 139
RGB Percent	67%, 36%, 55%
CMY	0.3254, 0.6353, 0.4550
CMYK	0.00, 0.46, 0.19, 0.33
HSL	325°, 32%, 52%
HSV	325°, 46%, 67%
XYZ	25.5886, 18.4634, 26.6348
YIQ	121.8650, 32.3180, 31.0540

Conversions

Conversions Part 2

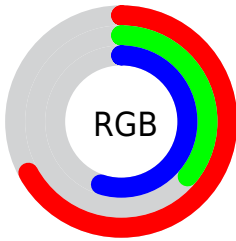
Format	Color
R_{YB}	172, 93, 139
Decimal	11296139
CIE _{Lab}	50.05, 38.14, -11.20
CIE _{LCh}	50, 39.750, 343.640
Yxy	18.4634, 0.3620, 0.2612
Android (android.graphics.Color)	4289486219 (0xFFAC5D8B)
YUV	121.8650, 8.4476, 43.9684
Hunter-Lab	42.9691, 31.1032, -6.6732

Details

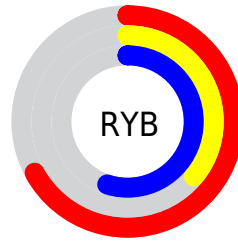
The Yxy color **18.4634, 0.3620, 0.2612** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **33.3437, 0.2832, 0.4099**, and the grayscale version is **19.3801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7591, 0.3508, 0.2747**, and **6.3006, 0.3815, 0.2371** is the 20% darker color. If you saturate the color by 10%, you get **15.5735, 0.3779, 0.2479**, and if you desaturate by 10%, it is **22.0480, 0.3480, 0.2759**.

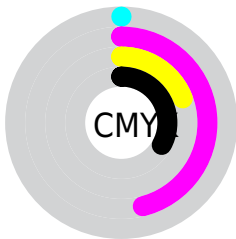
Distribution



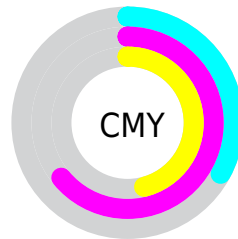
- Red (67%)
- Green (36%)
- Blue (55%)



- Red (67%)
- Yellow (36%)
- Blue (55%)



- Cyan (0%)
- Magenta (46%)
- Yellow (19%)
- Black (33%)





- Cyan (33%)
- Magenta (64%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4634, 0.3620, 0.2612 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 18.4634, 0.3620, 0.2612 by changing the saturation by 10% instead.

 18.4634, 0.3620,
0.2612

 18.4634, 0.3620,
0.2612


243.4702, 0.3346,
0.2983


 11.2832, 0.3699,
0.2507


 40.8254, 0.3513,
0.2755


 6.2577, 0.3809,
0.2365


 56.7759, 0.3475,
0.2807

 3.0024, 0.3969,
0.2162

 76.4187, 0.3444,
0.2849

 1.1330, 0.4225,
0.1849

 100.1382, 0.3418,
0.2884

 0.0059, 0.5418,
0.0034

128.3187, 0.3396,
0.2915

 0.0000, 0.0000,
0.0000

161.3445, 0.3377,

0.2941

199.6003, 0.3360,
0.2963

■ 18.4634, 0.3620,
0.2612

■ 18.4634, 0.3620,
0.2612

■ 15.5735, 0.3779,
0.2479

■ 22.0480, 0.3480,
0.2759

■ 13.3292, 0.3954,
0.2370

■ 26.3668, 0.3360,
0.2911

■ 11.6795, 0.4142,
0.2297


■ 31.4593, 0.3258,
0.3062

■ 10.5640, 0.4336,
0.2270

■ 37.3615, 0.3172,
0.3207


■ 9.9037, 0.4527,
0.2294


■ 44.1071, 0.3099,
0.3345

 9.6942, 0.4606,
0.2311

 51.7279, 0.3039,
0.3474

 60.2539, 0.2989,
0.3593

 69.7140, 0.2948,
0.3703

 80.1354, 0.2914,
0.3803

Harmonies

Analogous

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



18.4634, 0.2852, 0.2277



18.4634, 0.3620, 0.2612



18.4634, 0.4305, 0.3092

Triad

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



18.4634, 0.3620, 0.2612



18.4634, 0.3955, 0.4600



18.4634, 0.1831, 0.2652

Complementary

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



18.4634, 0.3620, 0.2612



33.3437, 0.2832, 0.4099

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.



18.4634, 0.2050, 0.3340



18.4634, 0.3620, 0.2612



18.4634, 0.3253, 0.4638

Square

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



18.4634, 0.3620, 0.2612



18.4634, 0.4470, 0.4189



18.4634, 0.2556, 0.4140



18.4634, 0.1901, 0.2256

Rectangle

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



18.4634, 0.3620, 0.2612



18.4634, 0.4569, 0.3456



18.4634, 0.2556, 0.4140



18.4634, 0.1871, 0.2852

Sweetspot

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



18.4643, 0.3620, 0.2612



58.7607, 0.3242, 0.3087



15.2374, 0.2622, 0.2002



12.3128, 0.3262, 0.3056



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.



18.4643, 0.3620, 0.2612



28.2245, 0.3779, 0.2478



17.5127, 0.4233, 0.3194



8.0906, 0.3199, 0.3159



7.2241, 0.4587, 0.2301



0.2116, 0.4068, 0.2015

Inverse Universe

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



18.4643, 0.3620, 0.2612



28.2245, 0.3779, 0.2478



34.5688, 0.2565, 0.3397



8.0906, 0.3199, 0.3159



7.2241, 0.4587, 0.2301



0.2116, 0.4068, 0.2015

Previews

White Background



This preview shows how the Yxy color 18.4634, 0.3620, 0.2612 looks on a white background.

Color Contrast Check

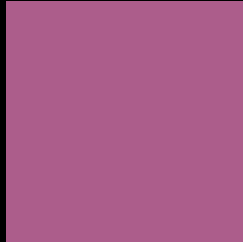
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4634, 0.3620, 0.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

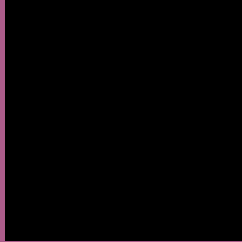
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4634, 0.3620, 0.2612

Background



This preview shows how black text looks on a background with the Yxy color 18.4634, 0.3620, 0.2612.



This preview shows how white text looks on a background with the Yxy color 18.4634, 0.3620, 0.2612.

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

18.4634, 0.3620, 0.2612

Protanopia

18.6084, 0.2629, 0.2604

Deuteranopia

18.5251, 0.3007, 0.2943



Tritanopia

18.4202, 0.4039, 0.3169

Trichromacy



Original Color

18.4634, 0.3620, 0.2612

Protanomaly

18.0448, 0.2936, 0.2586

Deuteranomaly

18.1654, 0.3215, 0.2809

Tritanomaly

18.4273, 0.3879, 0.2956

Monochromacy



Original Color

18.4634, 0.3620, 0.2612

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.5028, 0.3299, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4634, 0.3620, 0.2612 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(172, 93, 139)` looks like.

```
.text, #text, p{  
  color:rgb(172, 93, 139)  
}
```

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(172, 93, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 93, 139) }
```

Border

The CSS property to change the border of an element to Yxy 18.4634, 0.3620, 0.2612 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(172, 93, 139) }
```

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

```
.border{ border-color:rgb(172, 93, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 93, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 93, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 93, 139); box-shadow:4px 4px 4px 4px rgb(172, 93, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4634, 0.3620, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 93, 139) }
```

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

```
.background{ background-color: rgb(172, 93,  
139) }
```

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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