

Converting Colors

$Y_{xy}(18.2044, 0.3640, 0.2564)$

Have a look what the booklet for
Yxy(18.2044, 0.3640, 0.2564)
contains.

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Color

Yxy(18.2044, 0.3640, 0.2564)

Conversions

Conversions Part 1

Format	Color
Hex	AE5A8C
RGB	174, 90, 140
RGB Percent	68%, 35%, 55%
CMY	0.3176, 0.6470, 0.4511
CMYK	0.00, 0.48, 0.20, 0.32
HSL	324°, 34%, 52%
HSV	324°, 48%, 68%
XYZ	25.8440, 18.2044, 26.9516
YIQ	120.8160, 34.0140, 33.3580

Conversions

Conversions Part 2

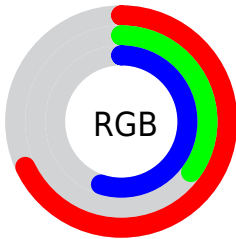
Format	Color
RYB	174, 90, 140
Decimal	11426444
CIELab	49.74, 40.55, -12.23
CIElCh	50, 42.352, 343.222
Yxy	18.2044, 0.3640, 0.2564
Android (android.graphics.Color)	4289616524 (0xFFAE5A8C)
YUV	120.8160, 9.4577, 46.6424
Hunter-Lab	42.6666, 33.4544, -7.5856

Details

The Yxy color **18.2044, 0.3640, 0.2564** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **33.9034, 0.2828, 0.4170**, and the grayscale version is **19.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2300, 0.3523, 0.2707**, and **6.1112, 0.3826, 0.2297** is the 20% darker color. If you saturate the color by 10%, you get **15.4040, 0.3797, 0.2433**, and if you desaturate by 10%, it is **21.7070, 0.3501, 0.2711**.

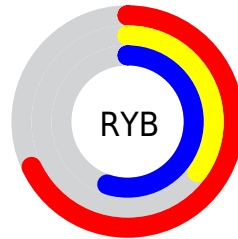
Distribution



Red (68%)

Green (35%)

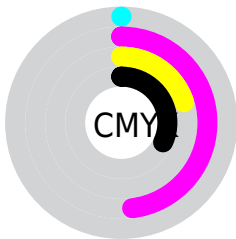
Blue (55%)



Red (68%)

Yellow (35%)

Blue (55%)

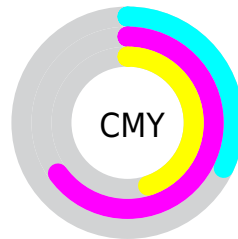


Cyan (0%)

Magenta (48%)

Yellow (20%)

Black (32%)



Cyan (32%)


Magenta (65%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2044, 0.3640, 0.2564 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 18.2044, 0.3640, 0.2564 by changing the saturation by 10% instead.


 18.2044, 0.3640,
0.2564


 18.2044, 0.3640,
0.2564


242.0206, 0.3355,
0.2961


 11.0968, 0.3722,
0.2453


 40.3853, 0.3529,
0.2717


 6.1320, 0.3835,
0.2302


 56.2274, 0.3489,
0.2771

 2.9255, 0.4000,
0.2088

 75.7499, 0.3457,
0.2817

 1.0930, 0.4261,
0.1761

 99.3370, 0.3430,
0.2855

 0.0000, 0.5404,
0.0000

127.3733, 0.3407,
0.2887

 0.0000, 0.0000,
0.0000

160.2431, 0.3387,

0.2915

198.3307, 0.3370,
0.2939

■ 18.2044, 0.3640,
0.2564

■ 18.2044, 0.3640,
0.2564

■ 15.4040, 0.3797,
0.2433

■ 21.7070, 0.3501,
0.2711

■ 13.2542, 0.3970,
0.2329

■ 25.9532, 0.3380,
0.2866

■ 11.7006, 0.4152,
0.2264


■ 30.9846, 0.3276,
0.3021


■ 10.6786, 0.4338,
0.2246

■ 36.8388, 0.3189,
0.3171


■ 10.0785, 0.4522,
0.2276


■ 43.5508, 0.3115,
0.3314

 9.9884, 0.4554,
0.2282

 51.1537, 0.3054,
0.3448

 59.6790, 0.3003,
0.3572

 69.1563, 0.2961,
0.3687

 79.6143, 0.2926,
0.3792

Harmonies

Analogous

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



18.2044, 0.2820, 0.2215



18.2044, 0.3640, 0.2564



18.2044, 0.4380, 0.3066

Triad

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



18.2044, 0.3640, 0.2564



18.2044, 0.4007, 0.4680



18.2044, 0.1756, 0.2611

Complementary

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



18.2044, 0.3640, 0.2564



33.9034, 0.2828, 0.4170

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.



18.2044, 0.1986, 0.3349



18.2044, 0.3640, 0.2564



18.2044, 0.3263, 0.4746

Square

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



18.2044, 0.3640, 0.2564



18.2044, 0.4557, 0.4224



18.2044, 0.2522, 0.4217



18.2044, 0.1827, 0.2194

Rectangle

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



18.2044, 0.3640, 0.2564



18.2044, 0.4665, 0.3447



18.2044, 0.2522, 0.4217



18.2044, 0.1798, 0.2825

Sweetspot

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



18.2053, 0.3640, 0.2564



60.2913, 0.3239, 0.3082



14.6255, 0.2572, 0.1924



12.9144, 0.3258, 0.3050



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.2053, 0.3640, 0.2564



27.6059, 0.3810, 0.2424



17.2022, 0.4299, 0.3169



8.0923, 0.3197, 0.3156



7.2564, 0.4535, 0.2272



0.2123, 0.4037, 0.1998

Inverse Universe

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



18.2053, 0.3640, 0.2564



27.6059, 0.3810, 0.2424



35.1858, 0.2552, 0.3427



8.0923, 0.3197, 0.3156



7.2564, 0.4535, 0.2272



0.2123, 0.4037, 0.1998

Previews

White Background



This preview shows how the Yxy color 18.2044, 0.3640, 0.2564 looks on a white background.

Color Contrast Check

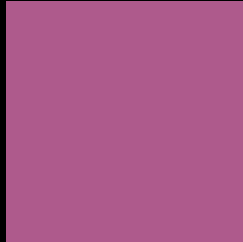
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2044, 0.3640, 0.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

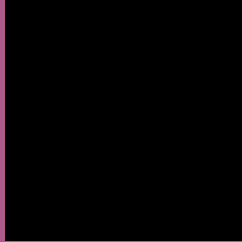
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2044, 0.3640, 0.2564

Background



This preview shows how black text looks on a background with the Yxy color 18.2044, 0.3640, 0.2564.



This preview shows how white text looks on a background with the Yxy color 18.2044, 0.3640, 0.2564.

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

18.2044, 0.3640, 0.2564

Protanopia

18.3516, 0.2581, 0.2535

Deuteranopia

18.4059, 0.2972, 0.2922



Tritanopia

18.0949, 0.4111, 0.3185

Trichromacy



Original Color

18.2044, 0.3640, 0.2564

Protanomaly

17.6077, 0.2901, 0.2518

Deuteranomaly

17.9843, 0.3204, 0.2776

Tritanomaly

17.9477, 0.3937, 0.2943

Monochromacy



Original Color

18.2044, 0.3640, 0.2564

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.2858, 0.3301, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2044, 0.3640, 0.2564 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(174, 90, 140)` looks like.

```
.text, #text, p{  
    color:rgb(174, 90, 140)  
}
```

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(174, 90, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 90, 140) }
```

Border

The CSS property to change the border of an element to Yxy 18.2044, 0.3640, 0.2564 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(174, 90, 140) }
```

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

```
.border{ border-color:rgb(174, 90, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 90, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 90, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 90, 140); box-shadow:4px 4px 4px 4px rgb(174, 90, 140) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2044, 0.3640, 0.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 90, 140) }
```

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

```
.background{ background-color: rgb(174, 90,  
140) }
```

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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