

Converting Colors

$Y_{xy}(19.2772, 0.3644, 0.2529)$

Have a look what the booklet for
Yxy(19.2772, 0.3644, 0.2529)
contains.

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Color

Yxy(19.2298, 0.3644, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	B45B91
RGB	180, 91, 145
RGB Percent	71%, 36%, 57%
CMY	0.2941, 0.6431, 0.4314
CMYK	0.00, 0.49, 0.19, 0.29
HSL	324°, 37%, 53%
HSV	324°, 49%, 71%
XYZ	27.6751, 19.2298, 29.0422
YIQ	123.7670, 35.7100, 35.6620

Conversions

Conversions Part 2

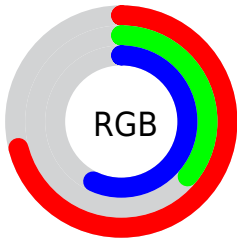
Format	Color
R_{YB}	180, 91, 145
Decimal	11819921
CIE _{Lab}	50.95, 42.80, -13.30
CIE _{LCh}	51, 44.821, 342.736
Yxy	19.2298, 0.3644, 0.2532
Android (android.graphics.Color)	4290010001 (0xFFB45B91)
YUV	123.7670, 10.4679, 49.3163
Hunter-Lab	43.8518, 35.9117, -8.5703

Details

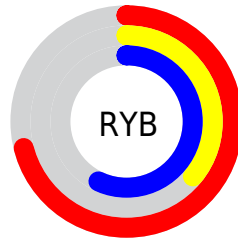
The Yxy color **19.2298, 0.3644, 0.2532** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.3749, 0.2829, 0.4217**, and the grayscale version is **20.0306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2472, 0.3537, 0.2690**, and **6.6372, 0.3826, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **16.3019, 0.3798, 0.2401**, and if you desaturate by 10%, it is **22.9113, 0.3506, 0.2681**.

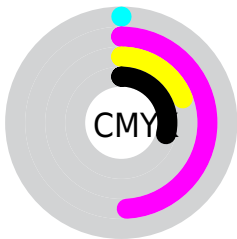
Distribution



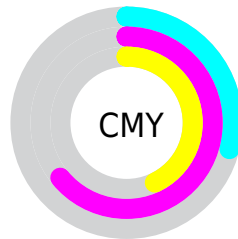
- Red (71%)
- Green (36%)
- Blue (57%)



- Red (71%)
- Yellow (36%)
- Blue (57%)



- Cyan (0%)
- Magenta (49%)
- Yellow (19%)
- Black (29%)



- Cyan (29%)
- Magenta (64%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2298, 0.3644, 0.2532 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 19.2298, 0.3644, 0.2532 by changing the saturation by 10% instead.


 19.2298, 0.3644,
0.2532


 19.2298, 0.3644,
0.2532


247.7145, 0.3360,
0.2941

 11.8364, 0.3724,
0.2419


 42.1220, 0.3534,
0.2688


 6.6324, 0.3833,
0.2268


 58.3897, 0.3495,
0.2745

 3.2333, 0.3990,
0.2056

 78.3843, 0.3463,
0.2791

 1.2547, 0.4234,
0.1738

 102.4902, 0.3436,
0.2831

 0.1057, 0.5065,
0.0453

131.0917, 0.3413,
0.2864

 0.0000, 1.0000,
0.0000

164.5734, 0.3393,

 0.0000, 0.0000,

0.2894

0.0000

203.3195, 0.3376,
0.2919

■ 19.2298, 0.3644,
0.2532

■ 19.2298, 0.3644,
0.2532

■ 16.3019, 0.3798,
0.2401

■ 22.9113, 0.3506,
0.2681

■ 14.0708, 0.3967,
0.2299

■ 27.3920, 0.3387,
0.2838

■ 12.4763, 0.4144,
0.2237


■ 32.7175, 0.3284,
0.2996


■ 11.4466, 0.4323,
0.2224


■ 38.9289, 0.3197,
0.3151

■ 10.8428, 0.4500,
0.2256

■ 46.0647, 0.3123,
0.3298

 10.8126, 0.4510,
0.2258

 54.1610, 0.3062,
0.3436

 63.2520, 0.3011,
0.3565

 73.3704, 0.2969,
0.3683

 84.5472, 0.2934,
0.3792

Harmonies

Analogous

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



19.2298, 0.2794, 0.2176



19.2298, 0.3644, 0.2532



19.2298, 0.4419, 0.3045

Triad

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



19.2298, 0.3644, 0.2532



19.2298, 0.4044, 0.4723



19.2298, 0.1713, 0.2593

Complementary

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



19.2298, 0.3644, 0.2532



36.3749, 0.2829, 0.4217

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.



19.2298, 0.1953, 0.3363



19.2298, 0.3644, 0.2532



19.2298, 0.3275, 0.4812

Square

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



19.2298, 0.3644, 0.2532



19.2298, 0.4612, 0.4239



19.2298, 0.2508, 0.4271



19.2298, 0.1782, 0.2160

Rectangle

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



19.2298, 0.3644, 0.2532



19.2298, 0.4720, 0.3436



19.2298, 0.2508, 0.4271



19.2298, 0.1758, 0.2814

Sweetspot

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



19.2307, 0.3644, 0.2532



63.8377, 0.3245, 0.3062



15.1469, 0.2537, 0.1879



13.3065, 0.3264, 0.3030



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.



19.2307, 0.3644, 0.2532



29.2960, 0.3807, 0.2394



18.1335, 0.4324, 0.3145



8.5890, 0.3196, 0.3153



7.5596, 0.4490, 0.2247



0.2489, 0.4046, 0.2002

Inverse Universe

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



19.2307, 0.3644, 0.2532



29.2960, 0.3807, 0.2394



37.7564, 0.2549, 0.3455



8.5890, 0.3196, 0.3153



7.5596, 0.4490, 0.2247



0.2489, 0.4046, 0.2002

Previews

White Background



This preview shows how the Yxy color 19.2298, 0.3644, 0.2532 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 19.2298, 0.3644, 0.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

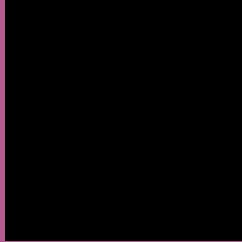
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2298, 0.3644, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 19.2298, 0.3644, 0.2532.



This preview shows how white text looks on a background with the Yxy color 19.2298, 0.3644, 0.2532.

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

19.2298, 0.3644, 0.2532

Protanopia

19.4373, 0.2548, 0.2488

Deuteranopia

19.4471, 0.2964, 0.2913



Tritanopia

19.1944, 0.4148, 0.3189

Trichromacy



Original Color

19.2298, 0.3644, 0.2532

Protanomaly

18.5568, 0.2885, 0.2475

Deuteranomaly

18.9100, 0.3192, 0.2740

Tritanomaly

19.0689, 0.3963, 0.2940

Monochromacy



Original Color

19.2298, 0.3644, 0.2532

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.1836, 0.3299, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2298, 0.3644, 0.2532 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(180, 91, 145)` looks like.

```
.text, #text, p{  
    color:rgb(180, 91, 145)  
}
```

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(180, 91, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 91, 145) }
```

Border

The CSS property to change the border of an element to Yxy 19.2298, 0.3644, 0.2532 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(180, 91, 145) }
```

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

```
.border{ border-color:rgb(180, 91, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 91, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 91, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 91, 145);  
box-shadow:4px 4px 4px 4px rgb(180, 91,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2298, 0.3644, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 91, 145) }
```

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

```
.background{ background-color: rgb(180, 91,  
145) }
```

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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