

Converting Colors

$Y_{xy}(16.0856, 0.3691, 0.2654)$

Have a look what the booklet for
Yxy(16.0856, 0.3691, 0.2654)
contains.

| | |
|--|----|
| Yxy(15.9744, 0.3697, 0.2652) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(15.9744, 0.3697, 0.2652)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A3567F |
| RGB | 163, 86, 127 |
| RGB Percent | 64%, 34%, 50% |
| CMY | 0.3606, 0.6628, 0.5019 |
| CMYK | 0.00, 0.47, 0.22, 0.36 |
| HSL | 328°, 31%, 49% |
| HSV | 328°, 47%, 64% |
| XYZ | 22.2690, 15.9744, 21.9919 |
| YIQ | 113.6970, 32.7310, 29.0750 |

Conversions

Conversions Part 2

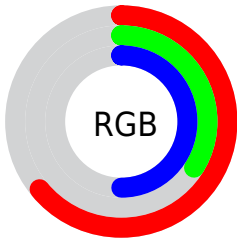
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 163, 86, 127 |
| Decimal | 10704511 |
| CIE Lab | 46.94, 36.94, -8.83 |
| CIE LCh | 47, 37.984, 346.564 |
| Yxy | 15.9744, 0.3697, 0.2652 |
| Android (android.graphics.Color) | 4288894591 (0xFFA3567F) |
| YUV | 113.6970, 6.5584, 43.2387 |
| Hunter-Lab | 39.9680, 29.5110, -4.6460 |

Details

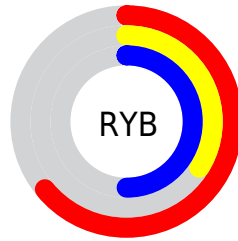
The Yxy color **15.9744, 0.3697, 0.2652** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **29.5903, 0.2798, 0.4048**, and the grayscale version is **16.7040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6879, 0.3567, 0.2794**, and **5.0630, 0.3935, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **13.4714, 0.3879, 0.2532**, and if you desaturate by 10%, it is **19.0877, 0.3537, 0.2786**.

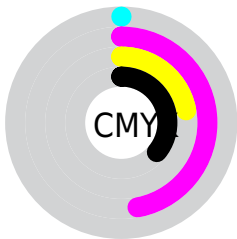
Distribution



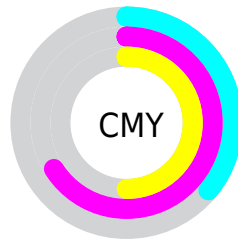
- Red (64%)
- Green (34%)
- Blue (50%)



- Red (64%)
- Yellow (34%)
- Blue (50%)



- Cyan (0%)
- Magenta (47%)
- Yellow (22%)
- Black (36%)




- Cyan (36%)
- Magenta (66%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9744, 0.3697, 0.2652 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 15.9744, 0.3697, 0.2652 by changing the saturation by 10% instead.


 15.9744, 0.3697,
0.2652


 15.9744, 0.3697,
0.2652


229.1906, 0.3370,
0.3011


 9.5060, 0.3796,
0.2546


 36.5538, 0.3566,
0.2793


 5.0727, 0.3937,
0.2400


 51.4335, 0.3521,
0.2843


 2.2900, 0.4152,
0.2183

 69.8859, 0.3484,
0.2884

 0.7684, 0.4521,
0.1823

 92.2953, 0.3454,
0.2918

 0.0000, 0.7002,
0.0000

 119.0461, 0.3428,
0.2946

 0.0000, 0.0000,
0.0000

150.5226, 0.3406,

0.2971

187.1093, 0.3387,
0.2992

■ 15.9744, 0.3697,
0.2652

■ 15.9744, 0.3697,
0.2652

■ 13.4714, 0.3879,
0.2532

■ 19.0877, 0.3537,
0.2786

■ 11.5353, 0.4082,
0.2438

■ 22.8464, 0.3401,
0.2925

■ 10.1202, 0.4299,
0.2380


■ 27.2857, 0.3285,
0.3063


■ 9.1723, 0.4522,
0.2369

■ 32.4374, 0.3187,
0.3197

■ 8.6069, 0.4742,
0.2407

■ 38.3314, 0.3106,
0.3324

 8.4756, 0.4803,
0.2420

 44.9960, 0.3039,
0.3442

 52.4577, 0.2983,
0.3552

 60.7420, 0.2937,
0.3652

 69.8732, 0.2899,
0.3745

Harmonies

Analogous

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



15.9744, 0.2921, 0.2299



15.9744, 0.3697, 0.2652



15.9744, 0.4359, 0.3144

Triad

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



15.9744, 0.3697, 0.2652



15.9744, 0.3893, 0.4628



15.9744, 0.1822, 0.2598

Complementary

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



15.9744, 0.3697, 0.2652



29.5903, 0.2798, 0.4048

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.



15.9744, 0.2012, 0.3262



15.9744, 0.3697, 0.2652



15.9744, 0.3182, 0.4617

Square

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



15.9744, 0.3697, 0.2652



15.9744, 0.4436, 0.4240



15.9744, 0.2494, 0.4070



15.9744, 0.1920, 0.2231

Rectangle

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



15.9744, 0.3697, 0.2652



15.9744, 0.4594, 0.3511



15.9744, 0.2494, 0.4070



15.9744, 0.1853, 0.2788

Sweetspot

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



15.9752, 0.3697, 0.2652



51.4766, 0.3254, 0.3104



13.4309, 0.2652, 0.1984



11.1520, 0.3275, 0.3076



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.9752, 0.3697, 0.2652



23.8038, 0.3894, 0.2524



15.1563, 0.4340, 0.3253



7.1461, 0.3206, 0.3171



6.5930, 0.4785, 0.2409



0.1480, 0.4078, 0.2020

Inverse Universe

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



15.9752, 0.3697, 0.2652



23.8038, 0.3894, 0.2524



30.7396, 0.2529, 0.3332



7.1461, 0.3206, 0.3171



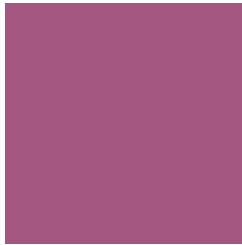
6.5930, 0.4785, 0.2409



0.1480, 0.4078, 0.2020

Previews

White Background



This preview shows how the Yxy color 15.9744, 0.3697, 0.2652 looks on a white background.

Color Contrast Check

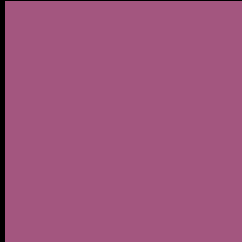
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9744, 0.3697, 0.2652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

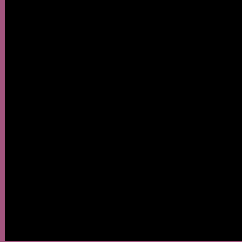
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.9744, 0.3697, 0.2652

Background



This preview shows how black text looks on a background with the Yxy color 15.9744, 0.3697, 0.2652.



This preview shows how white text looks on a background with the Yxy color 15.9744, 0.3697, 0.2652.

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

15.9744, 0.3697, 0.2652

Protanopia

16.2661, 0.2663, 0.2656

Deuteranopia

16.1492, 0.3060, 0.3017



Tritanopia

16.0097, 0.4097, 0.3195

Trichromacy



Original Color

15.9744, 0.3697, 0.2652

Protanomaly

15.6977, 0.2984, 0.2632

Deuteranomaly

15.8309, 0.3288, 0.2872

Tritanomaly

15.9935, 0.3943, 0.2987

Monochromacy



Original Color

15.9744, 0.3697, 0.2652

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.1381, 0.3322, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9744, 0.3697, 0.2652 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(163, 86, 127)` looks like.

```
.text, #text, p{  
    color:rgb(163, 86, 127)  
}
```

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(163, 86, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 86, 127) }
```

Border

The CSS property to change the border of an element to Yxy 15.9744, 0.3697, 0.2652 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(163, 86, 127) }
```

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

```
.border{ border-color:rgb(163, 86, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 86, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 86, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 86, 127); box-shadow:4px 4px 4px 4px rgb(163, 86, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9744, 0.3697, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 86, 127) }
```

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

```
.background{ background-color: rgb(163, 86,  
127) }
```

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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