

Converting Colors

$Y_{xy}(16.3255, 0.3331, 0.2497)$

Have a look what the booklet for
Yxy(16.3255, 0.3331, 0.2497)
contains.

| | |
|---|----|
| Yxy(16.3497, 0.3333, 0.2503) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(16.3497, 0.3333, 0.2503)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 995C8D |
| RGB | 153, 92, 141 |
| RGB Percent | 60%, 36%, 55% |
| CMY | 0.4000, 0.6392, 0.4471 |
| CMYK | 0.00, 0.40, 0.08, 0.40 |
| HSL | 312°, 25%, 48% |
| HSV | 312°, 40%, 60% |
| XYZ | 21.7713, 16.3497, 27.1994 |
| YIQ | 115.8250, 20.6270, 28.1710 |

Conversions

Conversions Part 2

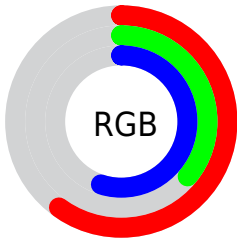
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 153, 92, 141 |
| Decimal | 10050701 |
| CIE _{Lab} | 47.43, 32.52, -16.60 |
| CIE _{LCh} | 47, 36.513, 332.963 |
| Yxy | 16.3497, 0.3333, 0.2503 |
| Android (android.graphics.Color) | 4288240781 (0xFF995C8D) |
| YUV | 115.8250, 12.4113, 32.6025 |
| Hunter-Lab | 40.4348, 25.3489, -11.5785 |

Details

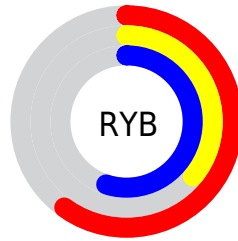
The Yxy color **16.3497, 0.3333, 0.2503** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.0602, 0.2975, 0.4235**, and the grayscale version is **17.3657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2965, 0.3285, 0.2673**, and **5.1924, 0.3382, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **13.8732, 0.3400, 0.2317**, and if you desaturate by 10%, it is **19.3655, 0.3272, 0.2700**.

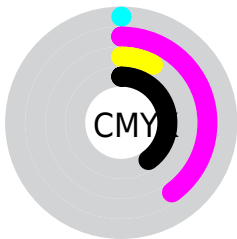
Distribution



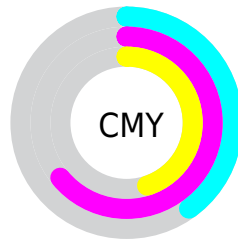
- Red (60%)
- Green (36%)
- Blue (55%)



- Red (60%)
- Yellow (36%)
- Blue (55%)



- Cyan (0%)
- Magenta (40%)
- Yellow (8%)
- Black (40%)




- Cyan (40%)
- Magenta (64%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3497, 0.3333, 0.2503 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 16.3497, 0.3333, 0.2503 by changing the saturation by 10% instead.


 16.3497, 0.3333,
0.2503


 16.3497, 0.3333,
0.2503


231.3965, 0.3224,
0.2937


 9.7719, 0.3362,
0.2380


 37.2042, 0.3292,
0.2671


 5.2480, 0.3399,
0.2211


 52.2498, 0.3277,
0.2731

 2.3935, 0.3448,
0.1970

 70.8868, 0.3265,
0.2781

 0.8225, 0.3513,
0.1597

 93.4996, 0.3254,
0.2822

 0.0000, 0.3810,
0.0000

120.4725, 0.3245,
0.2857

 0.0000, 0.0000,
0.0000

152.1901, 0.3237,

0.2888

189.0366, 0.3230,
0.2914

■ 16.3497, 0.3333,
0.2503

■ 16.3497, 0.3333,
0.2503

■ 13.8732, 0.3400,
0.2317

■ 19.3655, 0.3272,
0.2700

■ 11.9014, 0.3472,
0.2153

■ 22.9482, 0.3217,
0.2902

■ 10.3989, 0.3548,
0.2018


■ 27.1259, 0.3168,
0.3101


■ 9.3252, 0.3623,
0.1922


■ 31.9246, 0.3127,
0.3292


■ 8.6326, 0.3698,
0.1869

■ 37.3684, 0.3091,
0.3475

 8.2043, 0.3770,
0.1851

 43.4802, 0.3060,
0.3645

 8.1990, 0.3771,
0.1851

 50.2819, 0.3034,
0.3803

 57.7943, 0.3012,
0.3949

 66.0373, 0.2994,
0.4082

Harmonies

Analogous

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



16.3497, 0.2632, 0.2244



16.3497, 0.3333, 0.2503



16.3497, 0.4049, 0.2926

Triad

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



16.3497, 0.3333, 0.2503



16.3497, 0.4131, 0.4438



16.3497, 0.1922, 0.2889

Complementary

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



16.3497, 0.3333, 0.2503



26.0602, 0.2975, 0.4235

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.



16.3497, 0.2238, 0.3617



16.3497, 0.3333, 0.2503



16.3497, 0.3502, 0.4621

Square

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



16.3497, 0.3333, 0.2503



16.3497, 0.4516, 0.3981



16.3497, 0.2808, 0.4320



16.3497, 0.1891, 0.2401

Rectangle

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



16.3497, 0.3333, 0.2503



16.3497, 0.4395, 0.3265



16.3497, 0.2808, 0.4320



16.3497, 0.1995, 0.3112

Sweetspot

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



16.3504, 0.3333, 0.2503



46.7046, 0.3179, 0.3054



12.8498, 0.2538, 0.2147



10.1159, 0.3185, 0.3031



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



16.3504, 0.3333, 0.2503



25.2127, 0.3394, 0.2334



15.5828, 0.3779, 0.2967



6.3028, 0.3166, 0.3113



6.7804, 0.3766, 0.1848



0.1061, 0.3481, 0.1691

Inverse Universe

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



16.3504, 0.3333, 0.2503



25.2127, 0.3394, 0.2334



26.7727, 0.2736, 0.3647



6.3028, 0.3166, 0.3113



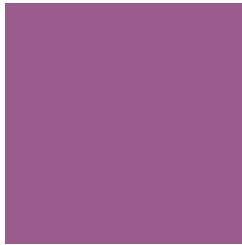
6.7804, 0.3766, 0.1848



0.1061, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 16.3497, 0.3333, 0.2503 looks on a white background.

Color Contrast Check

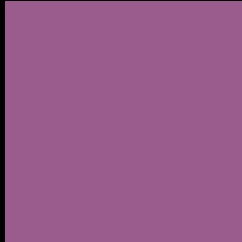
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3497, 0.3333, 0.2503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

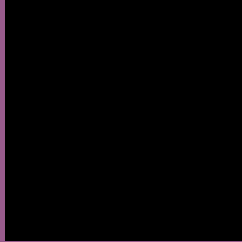
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3497, 0.3333, 0.2503

Background



This preview shows how black text looks on a background with the Yxy color 16.3497, 0.3333, 0.2503.



This preview shows how white text looks on a background with the Yxy color 16.3497, 0.3333, 0.2503.

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

16.3497, 0.3333, 0.2503

Protanopia

16.4448, 0.2531, 0.2469

Deuteranopia

16.3663, 0.2814, 0.2755



Tritanopia

16.3748, 0.3757, 0.3153

Trichromacy



Original Color

16.3497, 0.3333, 0.2503

Protanomaly

16.0246, 0.2775, 0.2462

Deuteranomaly

16.0002, 0.2986, 0.2637

Tritanomaly

16.1817, 0.3601, 0.2901

Monochromacy



Original Color

16.3497, 0.3333, 0.2503

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.6632, 0.3197, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3497, 0.3333, 0.2503 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(153, 92, 141)` looks like.

```
.text, #text, p{  
  color:rgb(153, 92, 141)  
}
```

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(153, 92, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 92, 141) }
```

Border

The CSS property to change the border of an element to Yxy 16.3497, 0.3333, 0.2503 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(153, 92, 141) }
```

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

```
.border{ border-color:rgb(153, 92, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 92, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 92, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 92, 141);  
box-shadow:4px 4px 4px 4px rgb(153, 92,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3497, 0.3333, 0.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 92, 141) }
```

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

```
.background{ background-color: rgb(153, 92,  
141) }
```

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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