

Converting Colors

$Y_{xy}(16.5999, 0.2403, 0.1354)$

Have a look what the booklet for
Yxy(16.5999, 0.2403, 0.1354)
contains.

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Color

Yxy(16.6197, 0.2405, 0.1355)

Conversions

Conversions Part 1

Format	Color
Hex	9944E6
RGB	153, 68, 230
RGB Percent	60%, 27%, 90%
CMY	0.3998, 0.7336, 0.0979
CMYK	0.33, 0.70, 0.00, 0.10
HSL	272°, 76%, 58%
HSV	272°, 70%, 90%
XYZ	29.4984, 16.6197, 76.5365
YIQ	111.8830, -1.3420, 68.4020

Conversions

Conversions Part 2

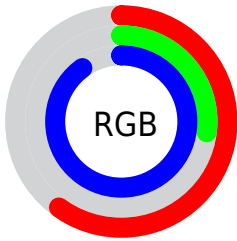
Format	Color
R_{YB}	153, 68, 230
Decimal	10044646
CIE _{Lab}	47.78, 63.62, -67.87
CIE _{LCh}	48, 93.026, 313.151
Yxy	16.6197, 0.2405, 0.1355
Android (android.graphics.Color)	4288234726 (0xFF9944E6)
YUV	111.8830, 58.2317, 36.0596
Hunter-Lab	40.7673, 57.8166, -82.7740

Details

The Yxy color **16.6197, 0.2405, 0.1355** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **63.0370, 0.3431, 0.5275**, and the grayscale version is **15.9899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3830, 0.2806, 0.1899**, and **5.3968, 0.2115, 0.0939** is the 20% darker color. If you saturate the color by 10%, you get **13.3500, 0.2280, 0.1153**, and if you desaturate by 10%, it is **21.0782, 0.2533, 0.1602**.

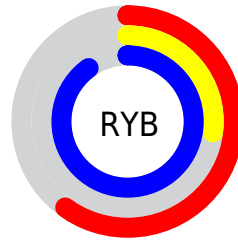
Distribution



Red (60%)

Green (27%)

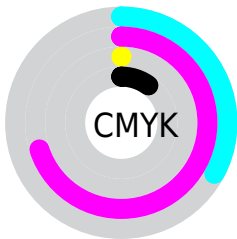
Blue (90%)



Red (60%)

Yellow (27%)

Blue (90%)

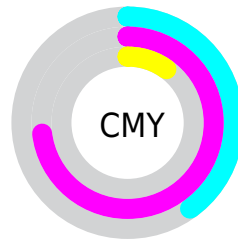


Cyan (33%)

Magenta (70%)

Yellow (0%)

Black (10%)



Cyan (40%)


Magenta (73%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6197, 0.2405, 0.1355 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 16.6197, 0.2405, 0.1355 by changing the saturation by 10% instead.


 16.6197, 0.2405,
0.1355


 16.6197, 0.2405,
0.1355


232.9712, 0.2838,
0.2268


 9.9637, 0.2281,
0.1159


 37.6707, 0.2576,
0.1665


 5.3749, 0.2118,
0.0932


 52.8346, 0.2636,
0.1789


 2.4689, 0.1896,
0.0672


 71.6032, 0.2686,
0.1896

 0.8610, 0.1591,
0.0393

 94.3609, 0.2727,
0.1990

 0.0000, 0.1191,
0.0000

 121.4922, 0.2762,
0.2072

 0.0000, 0.0455,
0.0000

153.3814, 0.2791,

 0.0000, 0.0000,

0.2145

0.0000

190.4129, 0.2816,
0.2210

■ 16.6197, 0.2405,
0.1355

■ 16.6197, 0.2405,
0.1355

■ 13.3500, 0.2280,
0.1153

■ 21.0782, 0.2533,
0.1602

■ 11.1288, 0.2162,
0.1004

■ 26.8406, 0.2657,
0.1879

■ 9.7655, 0.2060,
0.0908

■ 34.0095, 0.2774,
0.2172

■ 42.6767, 0.2880,
0.2467

■ 52.9259, 0.2973,
0.2754

64.8347, 0.3055,
0.3026

78.4751, 0.3124,
0.3279

93.9152, 0.3183,
0.3509

97.8120, 0.3250,
0.3534

Harmonies

Analogous

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



16.6197, 0.1350, 0.1137



16.6197, 0.2405, 0.1355



16.6197, 0.4155, 0.1884

Triad

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



16.6197, 0.2405, 0.1355



16.6197, 0.5572, 0.4428



16.6197, 0.0914, 0.3192

Complementary

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



16.6197, 0.2405, 0.1355



63.0370, 0.3431, 0.5275

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.



16.6197, 0.1667, 0.5675



16.6197, 0.2405, 0.1355



16.6197, 0.4277, 0.5723

Square

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



16.6197, 0.2405, 0.1355



16.6197, 0.6301, 0.3420



16.6197, 0.2891, 0.6700



16.6197, 0.0714, 0.1758

Rectangle

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



16.6197, 0.2405, 0.1355



16.6197, 0.5394, 0.2370



16.6197, 0.2891, 0.6700



16.6197, 0.1093, 0.3962

Sweetspot

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



16.6203, 0.2405, 0.1355



65.9558, 0.2968, 0.2736



27.5866, 0.2024, 0.2069



13.3116, 0.2943, 0.2657



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.6203, 0.2405, 0.1355



15.3054, 0.2219, 0.1071



26.5188, 0.3228, 0.1761



14.2577, 0.3062, 0.3053



5.6006, 0.2076, 0.0917



0.4691, 0.2230, 0.1002

Inverse Universe

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



22.9961, 0.4332, 0.2502



24.5904, 0.4728, 0.2486



58.2864, 0.3013, 0.5521



14.4814, 0.3218, 0.3179



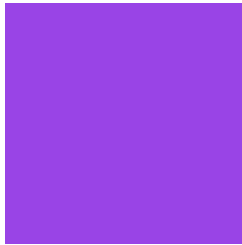
10.1763, 0.5060, 0.2561



0.7707, 0.4719, 0.2373

Previews

White Background



This preview shows how the Yxy color 16.6197, 0.2405, 0.1355 looks on a white background.

Color Contrast Check

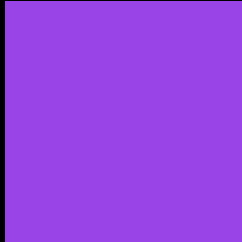
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6197, 0.2405, 0.1355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

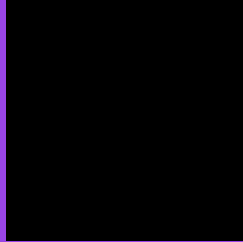
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6197, 0.2405, 0.1355

Background



This preview shows how black text looks on a background with the Yxy color 16.6197, 0.2405, 0.1355.



This preview shows how white text looks on a background with the Yxy color 16.6197, 0.2405, 0.1355.

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

16.6197, 0.2405, 0.1355

Protanopia

16.7635, 0.1737, 0.1454

Deuteranopia

16.7551, 0.1840, 0.1824



Tritanopia

16.5785, 0.3356, 0.3141

Trichromacy



Original Color

16.6197, 0.2405, 0.1355



Protanomaly

14.6157, 0.1790, 0.1305



Deuteranomaly

14.5179, 0.1860, 0.1502



Tritanomaly

15.7520, 0.2939, 0.2242

Monochromacy



Original Color

16.6197, 0.2405, 0.1355



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.2443, 0.2811, 0.2273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6197, 0.2405, 0.1355 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, 68, 230)` looks like.

```
.text, #text, p{  
    color:rgb(153, 68, 230)  
}
```

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, 68, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 68, 230) }
```

Border

The CSS property to change the border of an element to Yxy 16.6197, 0.2405, 0.1355 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, 68, 230) }
```

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

```
.border{ border-color:rgb(153, 68, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 68, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 68, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 68, 230);  
box-shadow:4px 4px 4px 4px rgb(153, 68,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6197, 0.2405, 0.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 68, 230) }
```

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

```
.background{ background-color: rgb(153, 68,  
230) }
```

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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