

Converting Colors

$Y_{xy}(13.2268, 0.3190, 0.1963)$

Have a look what the booklet for
Yxy(13.2268, 0.3190, 0.1963)
contains.

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Color

Yxy(13.2488, 0.3190, 0.1956)

Conversions

Conversions Part 1

Format	Color
Hex	9C419C
RGB	156, 65, 156
RGB Percent	61%, 25%, 61%
CMY	0.3881, 0.7452, 0.3882
CMYK	0.00, 0.58, 0.00, 0.39
HSL	300°, 41%, 43%
HSV	300°, 58%, 61%
XYZ	21.6072, 13.2488, 32.8782
YIQ	102.5830, 25.0250, 47.5930

Conversions

Conversions Part 2

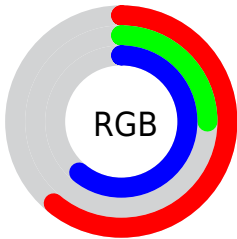
Format	Color
R _Y B	156, 65, 156
Decimal	10240412
CIE Lab	43.14, 50.26, -32.22
CIE LCh	43, 59.702, 327.339
Yxy	13.2488, 0.3190, 0.1956
Android (android.graphics.Color)	4288430492 (0xFF9C419C)
YUV	102.5830, 26.3346, 46.8467
Hunter-Lab	36.3989, 42.2635, -28.0758

Details

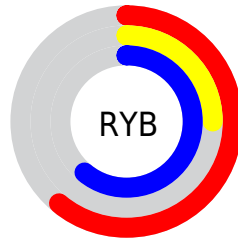
The Yxy color **13.2488, 0.3190, 0.1956** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **25.2927, 0.3041, 0.5119**, and the grayscale version is **13.3707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8061, 0.3198, 0.2227**, and **3.8460, 0.3164, 0.1523** is the 20% darker color. If you saturate the color by 10%, you get **11.6995, 0.3198, 0.1796**, and if you desaturate by 10%, it is **15.2940, 0.3181, 0.2150**.

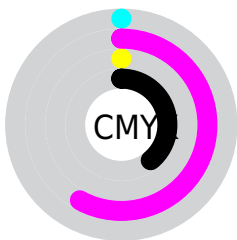
Distribution



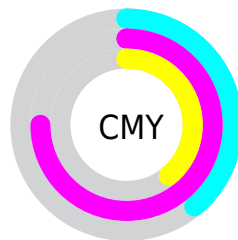
- Red (61%)
- Green (25%)
- Blue (61%)



- Red (61%)
- Yellow (25%)
- Blue (61%)



- Cyan (0%)
- Magenta (58%)
- Yellow (0%)
- Black (39%)





- Cyan (39%)
- Magenta (75%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2488, 0.3190, 0.1956 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 13.2488, 0.3190, 0.1956 by changing the saturation by 10% instead.


 13.2488, 0.3190,
0.1956


 13.2488, 0.3190,
0.1956


212.5061, 0.3183,
0.2672


 7.6001, 0.3179,
0.1766


 31.7500, 0.3196,
0.2226


 3.8401, 0.3154,
0.1517


 45.3714, 0.3195,
0.2325

 1.5845, 0.3097,
0.1187


 62.4190, 0.3194,
0.2407

 0.3471, 0.3014,
0.0588

 83.2774, 0.3192,
0.2476

 0.0000, 0.2515,
0.0000

 108.3309, 0.3189,
0.2536

 0.0000, 0.0000,
0.0000

137.9639, 0.3187,

0.2587

172.5609, 0.3185,
0.2632

■ 13.2488, 0.3190,
0.1956

■ 13.2488, 0.3190,
0.1956

■ 11.6995, 0.3198,
0.1796

■ 15.2940, 0.3181,
0.2150

■ 10.6026, 0.3203,
0.1674

■ 17.8705, 0.3171,
0.2369

■ 9.9097, 0.3207,
0.1594

■ 21.0125, 0.3159,
0.2604

■ 9.5273, 0.3209,
0.1549

■ 24.7508, 0.3148,
0.2848

■ 9.4718, 0.3210,
0.1542

■ 29.1139, 0.3137,
0.3091

■ 34.1286, 0.3125,
0.3328

■ 39.8202, 0.3115,
0.3554

■ 46.2124, 0.3105,
0.3767

■ 53.3280, 0.3095,
0.3964

Harmonies

Analogous

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



13.2488, 0.2111, 0.1635



13.2488, 0.3190, 0.1956



13.2488, 0.4503, 0.2521

Triad

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



13.2488, 0.3190, 0.1956



13.2488, 0.4767, 0.4855



13.2488, 0.1277, 0.2705

Complementary

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



13.2488, 0.3190, 0.1956



25.2927, 0.3041, 0.5119

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.



13.2488, 0.1758, 0.4116



13.2488, 0.3190, 0.1956



13.2488, 0.3762, 0.5568

Square

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



13.2488, 0.3190, 0.1956



13.2488, 0.5433, 0.4000



13.2488, 0.2672, 0.5434



13.2488, 0.1205, 0.1902

Rectangle

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



13.2488, 0.3190, 0.1956



13.2488, 0.5192, 0.2982



13.2488, 0.2672, 0.5434



13.2488, 0.1386, 0.3116

Sweetspot

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



13.2494, 0.3190, 0.1956



44.9368, 0.3148, 0.2848



7.3015, 0.2025, 0.1469



9.4571, 0.3151, 0.2781



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



13.2494, 0.3190, 0.1956



20.5546, 0.3200, 0.1755



11.9853, 0.3953, 0.2568



6.7546, 0.3138, 0.3070



7.7981, 0.3210, 0.1542



0.1394, 0.3209, 0.1542

Inverse Universe

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



13.2494, 0.3190, 0.1956



20.5546, 0.3200, 0.1755



26.0480, 0.2728, 0.4202



6.7546, 0.3138, 0.3070



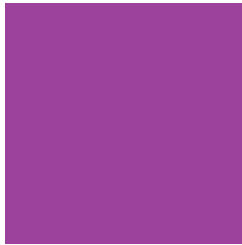
7.7981, 0.3210, 0.1542



0.1394, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 13.2488, 0.3190, 0.1956 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 13.2488, 0.3190, 0.1956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

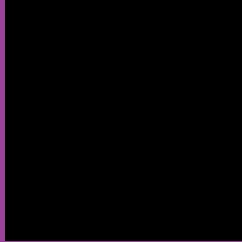
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2488, 0.3190, 0.1956

Background



This preview shows how black text looks on a background with the Yxy color 13.2488, 0.3190, 0.1956.



This preview shows how white text looks on a background with the Yxy color 13.2488, 0.3190, 0.1956.

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

13.2488, 0.3190, 0.1956

Protanopia

13.6320, 0.1971, 0.1752

Deuteranopia

13.5438, 0.2379, 0.2331



Tritanopia

13.2037, 0.4132, 0.3188

Trichromacy



Original Color

13.2488, 0.3190, 0.1956



Protanomaly

12.3307, 0.2240, 0.1741



Deuteranomaly

12.7268, 0.2623, 0.2131



Tritanomaly

12.9404, 0.3785, 0.2672

Monochromacy



Original Color

13.2488, 0.3190, 0.1956



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.6875, 0.3157, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2488, 0.3190, 0.1956 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(156, 65, 156)` looks like.

```
.text, #text, p{  
    color:rgb(156, 65, 156)  
}
```

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(156, 65, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 65, 156) }
```

Border

The CSS property to change the border of an element to Yxy 13.2488, 0.3190, 0.1956 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(156, 65, 156) }
```

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

```
.border{ border-color:rgb(156, 65, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 65, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 65, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 65, 156); box-shadow:4px 4px 4px 4px rgb(156, 65, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2488, 0.3190, 0.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 65, 156) }
```

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

```
.background{ background-color: rgb(156, 65,  
156) }
```

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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