

Converting Colors

$Yxy(12.0707, 0.3475, 0.1912)$

Have a look what the booklet for
Yxy(12.0707, 0.3475, 0.1912)
contains.

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Color

Yxy(12.1219, 0.3475, 0.1914)

Conversions

Conversions Part 1

Format	Color
Hex	A62D94
RGB	166, 45, 148
RGB Percent	65%, 18%, 58%
CMY	0.3491, 0.8234, 0.4195
CMYK	0.00, 0.73, 0.11, 0.35
HSL	309°, 57%, 41%
HSV	309°, 73%, 65%
XYZ	22.0082, 12.1219, 29.2028
YIQ	92.9210, 39.0530, 57.6850

Conversions

Conversions Part 2

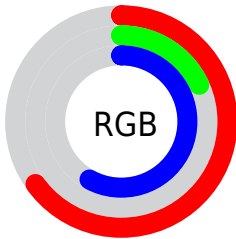
Format	Color
R _Y B	166, 45, 148
Decimal	10890644
CIE Lab	41.41, 59.58, -30.00
CIE LCh	41, 66.705, 333.276
Yxy	12.1219, 0.3475, 0.1914
Android (android.graphics.Color)	4289080724 (0xFFA62D94)
YUV	92.9210, 27.1539, 64.0903
Hunter-Lab	34.8165, 51.9042, -25.3586

Details

The Yxy color **12.1219, 0.3475, 0.1914** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.1844, 0.2940, 0.5306**, and the grayscale version is **10.8581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6143, 0.3421, 0.2195**, and **4.1781, 0.3515, 0.1710** is the 20% darker color. If you saturate the color by 10%, you get **11.0175, 0.3531, 0.1826**, and if you desaturate by 10%, it is **13.7271, 0.3418, 0.2043**.

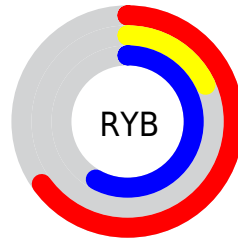
Distribution



Red (65%)

Green (18%)

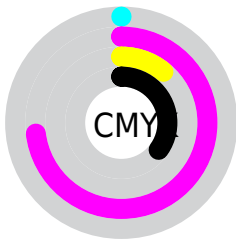
Blue (58%)



Red (65%)

Yellow (18%)

Blue (58%)

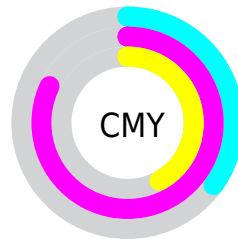


Cyan (0%)

Magenta (73%)

Yellow (11%)

Black (35%)



Cyan (35%)


Magenta (82%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1219, 0.3475, 0.1914 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 12.1219, 0.3475, 0.1914 by changing the saturation by 10% instead.


 12.1219, 0.3475,
0.1914


 12.1219, 0.3475,
0.1914


 205.2106, 0.3303,
0.2656


 6.8268, 0.3513,
0.1716


 29.7169, 0.3415,
0.2195


 3.3540, 0.3556,
0.1457


 42.7856, 0.3391,
0.2297


 1.3192, 0.3598,
0.1112

 59.2142, 0.3371,
0.2382

 0.1560, 0.3745,
0.0315

 79.3872, 0.3354,
0.2454

 0.0000, 0.3408,
0.0000

 103.6890, 0.3339,
0.2515

 0.0000, 0.0000,
0.0000

 132.5038, 0.3325,

0.2569

166.2163, 0.3313,
0.2615

■ 12.1219, 0.3475,
0.1914

■ 12.1219, 0.3475,
0.1914

■ 11.0175, 0.3531,
0.1826

■ 13.7271, 0.3418,
0.2043

■ 10.3498, 0.3584,
0.1782

■ 15.8836, 0.3362,
0.2206

■ 10.0383, 0.3620,
0.1768

■ 18.6375, 0.3309,
0.2395

■ 22.0298, 0.3259,
0.2600

■ 26.0978, 0.3213,
0.2812

■ 30.8759, 0.3173,
0.3025

■ 36.3961, 0.3137,
0.3232

■ 42.6885, 0.3105,
0.3430

■ 49.7816, 0.3078,
0.3616

Harmonies

Analogous

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



12.1219, 0.2179, 0.1515



12.1219, 0.3475, 0.1914



12.1219, 0.4968, 0.2557

Triad

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



12.1219, 0.3475, 0.1914



12.1219, 0.4689, 0.5168



12.1219, 0.1042, 0.2358

Complementary

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



12.1219, 0.3475, 0.1914



28.1844, 0.2940, 0.5306

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.



12.1219, 0.1432, 0.3860



12.1219, 0.3475, 0.1914



12.1219, 0.3503, 0.5957

Square

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



12.1219, 0.3475, 0.1914



12.1219, 0.5564, 0.4153



12.1219, 0.2331, 0.5604



12.1219, 0.1054, 0.1634

Rectangle

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



12.1219, 0.3475, 0.1914



12.1219, 0.5635, 0.3053



12.1219, 0.2331, 0.5604



12.1219, 0.1120, 0.2766

Sweetspot

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



12.1225, 0.3475, 0.1914



47.7501, 0.3211, 0.2822



5.6280, 0.1875, 0.1082



10.2269, 0.3223, 0.2767



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.1225, 0.3475, 0.1914



19.2150, 0.3562, 0.1795



10.7115, 0.4641, 0.2690



7.6472, 0.3159, 0.3100



7.7911, 0.3616, 0.1766



0.1946, 0.3463, 0.1681

Inverse Universe

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



12.1225, 0.3475, 0.1914



19.2150, 0.3562, 0.1795



29.2217, 0.2586, 0.4151



7.6472, 0.3159, 0.3100



7.7911, 0.3616, 0.1766



0.1946, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 12.1219, 0.3475, 0.1914 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 12.1219, 0.3475, 0.1914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

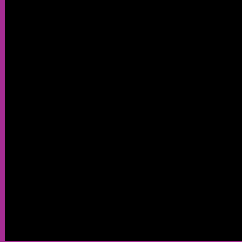
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1219, 0.3475, 0.1914

Background



This preview shows how black text looks on a background with the Yxy color 12.1219, 0.3475, 0.1914.



This preview shows how white text looks on a background with the Yxy color 12.1219, 0.3475, 0.1914.

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

12.1219, 0.3475, 0.1914

Protanopia

12.4616, 0.1850, 0.1588

Deuteranopia

12.4678, 0.2451, 0.2412



Tritanopia

12.2457, 0.4679, 0.3233

Trichromacy



Original Color

12.1219, 0.3475, 0.1914

Protanomaly

10.4208, 0.2136, 0.1553

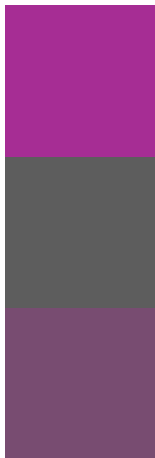
Deuteranomaly

11.0858, 0.2747, 0.2091

Tritanomaly

11.9585, 0.4251, 0.2687

Monochromacy



Original Color

12.1219, 0.3475, 0.1914

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.3542, 0.3280, 0.2551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1219, 0.3475, 0.1914 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(166, 45, 148)` looks like.

```
.text, #text, p{  
    color:rgb(166, 45, 148)  
}
```

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(166, 45, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 45, 148) }
```

Border

The CSS property to change the border of an element to Yxy 12.1219, 0.3475, 0.1914 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(166, 45, 148) }
```

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

```
.border{ border-color:rgb(166, 45, 148) }
```

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

Here you see how a box with a 4 pixel rgb(166, 45, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 45, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 45, 148);  
box-shadow:4px 4px 4px 4px rgb(166, 45,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1219, 0.3475, 0.1914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 45, 148) }
```

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

```
.background{ background-color: rgb(166, 45,  
148) }
```

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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