

Converting Colors

$Y_{xy}(12.6234, 0.3275, 0.1793)$

Have a look what the booklet for
Yxy(12.6234, 0.3275, 0.1793)
contains.

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Color

Yxy(12.6342, 0.3272, 0.1787)

Conversions

Conversions Part 1

Format	Color
Hex	A62EA1
RGB	166, 46, 161
RGB Percent	65%, 18%, 63%
CMY	0.3491, 0.8195, 0.3687
CMYK	0.00, 0.72, 0.03, 0.35
HSL	302°, 57%, 42%
HSV	302°, 72%, 65%
XYZ	23.1332, 12.6342, 34.9332
YIQ	94.9900, 34.6050, 61.2050

Conversions

Conversions Part 2

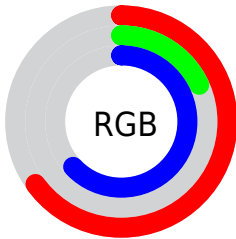
Format	Color
R_{YB}	166, 46, 161
Decimal	10890913
CIE _{Lab}	42.21, 61.29, -36.56
CIE _{LCh}	42, 71.363, 329.182
Yxy	12.6342, 0.3272, 0.1787
Android (android.graphics.Color)	4289080993 (0xFFA62EA1)
YUV	94.9900, 32.5429, 62.2758
Hunter-Lab	35.5446, 53.9687, -33.3888

Details

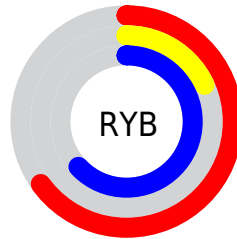
The Yxy color **12.6342, 0.3272, 0.1787** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.0889, 0.3000, 0.5487**, and the grayscale version is **11.3586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7058, 0.3268, 0.2087**, and **4.4191, 0.3231, 0.1553** is the 20% darker color. If you saturate the color by 10%, you get **11.5542, 0.3289, 0.1686**, and if you desaturate by 10%, it is **14.2169, 0.3253, 0.1929**.

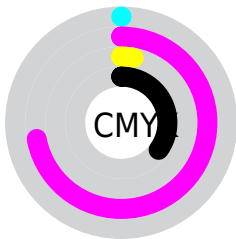
Distribution



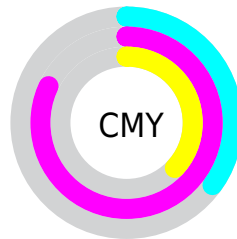
- Red (65%)
- Green (18%)
- Blue (63%)



- Red (65%)
- Yellow (18%)
- Blue (63%)



- Cyan (0%)
- Magenta (72%)
- Yellow (3%)
- Black (35%)





- Cyan (35%)
- Magenta (82%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6342, 0.3272, 0.1787 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 12.6342, 0.3272, 0.1787 by changing the saturation by 10% instead.


 12.6342, 0.3272,
0.1787


 12.6342, 0.3272,
0.1787


208.5598, 0.3227,
0.2579


 7.1771, 0.3269,
0.1584


 30.6450, 0.3265,
0.2081


 3.5731, 0.3253,
0.1325


 43.9676, 0.3259,
0.2190


 1.4378, 0.3206,
0.0991

 60.6808, 0.3253,
0.2281

 0.2443, 0.3150,
0.0371

 81.1690, 0.3247,
0.2359

 0.0000, 0.2759,
0.0000

 105.8166, 0.3242,
0.2426

 0.0000, 0.0000,
0.0000

 135.0080, 0.3236,

0.2484

169.1276, 0.3231,
0.2534

■ 12.6342, 0.3272,
0.1787

■ 12.6342, 0.3272,
0.1787

■ 11.5542, 0.3289,
0.1686

■ 14.2169, 0.3253,
0.1929

■ 10.9136, 0.3305,
0.1626

■ 16.3523, 0.3232,
0.2106

■ 10.6115, 0.3315,
0.1600

■ 19.0862, 0.3211,
0.2312

■ 22.4593, 0.3189,
0.2536

■ 26.5086, 0.3169,
0.2771

■ 31.2685, 0.3149,
0.3007

■ 36.7709, 0.3131,
0.3239

■ 43.0457, 0.3115,
0.3461

■ 50.1212, 0.3100,
0.3670

Harmonies

Analogous

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



12.6342, 0.1993, 0.1421



12.6342, 0.3272, 0.1787



12.6342, 0.4869, 0.2418

Triad

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



12.6342, 0.3272, 0.1787



12.6342, 0.4884, 0.5076



12.6342, 0.0993, 0.2461

Complementary

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



12.6342, 0.3272, 0.1787



28.0889, 0.3000, 0.5487

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.



12.6342, 0.1449, 0.4159



12.6342, 0.3272, 0.1787



12.6342, 0.3647, 0.6005

Square

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



12.6342, 0.3272, 0.1787



12.6342, 0.5734, 0.4011



12.6342, 0.2427, 0.5917



12.6342, 0.0965, 0.1628

Rectangle

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



12.6342, 0.3272, 0.1787



12.6342, 0.5657, 0.2915



12.6342, 0.2427, 0.5917



12.6342, 0.1088, 0.2927

Sweetspot

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



12.6348, 0.3272, 0.1787



48.0077, 0.3169, 0.2767



5.3877, 0.1793, 0.1052



10.2910, 0.3174, 0.2706



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.



12.6348, 0.3272, 0.1787



20.1506, 0.3299, 0.1643



11.0214, 0.4359, 0.2515



7.6611, 0.3144, 0.3077



8.2317, 0.3314, 0.1599



0.2019, 0.3277, 0.1579

Inverse Universe

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



12.6348, 0.3272, 0.1787



20.1506, 0.3299, 0.1643



28.9756, 0.2664, 0.4392



7.6611, 0.3144, 0.3077



8.2317, 0.3314, 0.1599



0.2019, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 12.6342, 0.3272, 0.1787 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 12.6342, 0.3272, 0.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

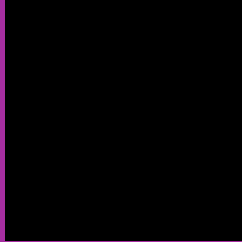
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6342, 0.3272, 0.1787

Background



This preview shows how black text looks on a background with the Yxy color 12.6342, 0.3272, 0.1787.



This preview shows how white text looks on a background with the Yxy color 12.6342, 0.3272, 0.1787.

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

12.6342, 0.3272, 0.1787

Protanopia

13.0056, 0.1742, 0.1469

Deuteranopia

12.9101, 0.2275, 0.2224



Tritanopia

12.6302, 0.4521, 0.3214

Trichromacy



Original Color

12.6342, 0.3272, 0.1787



Protanomaly

10.1271, 0.1877, 0.1370



Deuteranomaly

11.3258, 0.2542, 0.1912



Tritanomaly

12.2445, 0.4048, 0.2596

Monochromacy



Original Color

12.6342, 0.3272, 0.1787



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.7046, 0.3198, 0.2469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6342, 0.3272, 0.1787 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, 46, 161)` looks like.

```
.text, #text, p{  
    color:rgb(166, 46, 161)  
}
```

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, 46, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 46, 161) }
```

Border

The CSS property to change the border of an element to Yxy 12.6342, 0.3272, 0.1787 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, 46, 161) }
```

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

```
.border{ border-color:rgb(166, 46, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 46, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 46, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 46, 161);  
box-shadow:4px 4px 4px 4px rgb(166, 46,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6342, 0.3272, 0.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 46, 161) }
```

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

```
.background{ background-color: rgb(166, 46,  
161) }
```

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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