

Converting Colors

$Yxy(12.1965, 0.3190, 0.1531)$

Have a look what the booklet for
Yxy(12.1965, 0.3190, 0.1531)
contains.

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Color

Yxy(12.2485, 0.3195, 0.1534)

Conversions

Conversions Part 1

Format	Color
Hex	AF00B0
RGB	175, 0, 176
RGB Percent	69%, 0%, 69%
CMY	0.3138, 0.9994, 0.3099
CMYK	0.01, 1.00, 0.00, 0.31
HSL	300°, 100%, 35%
HSV	300°, 100%, 69%
XYZ	25.5111, 12.2485, 42.0873
YIQ	72.3890, 47.8040, 91.8360

Conversions

Conversions Part 2

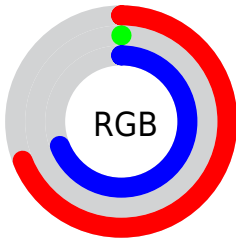
Format	Color
R_{YB}	175, 0, 176
Decimal	11468976
CIE _{Lab}	41.61, 74.22, -46.36
CIE _{LCh}	42, 87.508, 328.006
Yxy	12.2485, 0.3195, 0.1534
Android (android.graphics.Color)	4289659056 (0xFFAF00B0)
YUV	72.3890, 51.0802, 89.9898
Hunter-Lab	34.9979, 68.8681, -46.8017

Details

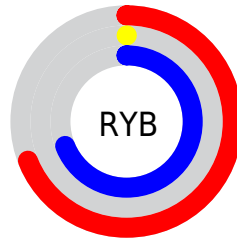
The Yxy color **12.2485, 0.3195, 0.1534** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **31.0536, 0.3001, 0.5998**, and the grayscale version is **6.4702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8156, 0.3215, 0.1853**, and **5.2816, 0.3111, 0.1488** is the 20% darker color. If you saturate the color by 10%, you get **12.2456, 0.3195, 0.1534**, and if you desaturate by 10%, it is **12.6820, 0.3195, 0.1574**.

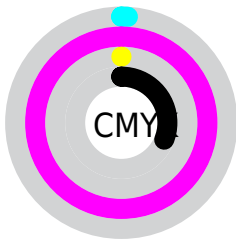
Distribution



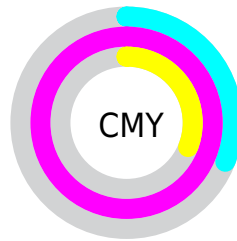
- Red (69%)
- Green (0%)
- Blue (69%)



- Red (69%)
- Yellow (0%)
- Blue (69%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2485, 0.3195, 0.1534 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 12.2485, 0.3195, 0.1534 by changing the saturation by 10% instead.


 12.2485, 0.3195,
0.1534


 12.2485, 0.3195,
0.1534


 206.0436, 0.3210,
0.2426


 6.9132, 0.3169,
0.1321


 29.9469, 0.3216,
0.1855


 3.4078, 0.3120,
0.1060


 43.0787, 0.3218,
0.1977


 1.3482, 0.3026,
0.0744

 59.5782, 0.3219,
0.2080

 0.1781, 0.2891,
0.0200

 79.8297, 0.3218,
0.2169

 0.0000, 0.2454,
0.0000

 104.2175, 0.3217,
0.2246

 0.0000, 0.0000,
0.0000

 133.1262, 0.3215,

0.2314

166.9401, 0.3213,
0.2373

■ 12.2485, 0.3195,
0.1534

■ 12.2485, 0.3195,
0.1534

■ 12.2456, 0.3195,
0.1534

■ 12.6820, 0.3195,
0.1574

■ 13.4920, 0.3193,
0.1646

■ 14.8225, 0.3189,
0.1761

■ 16.7419, 0.3184,
0.1916

■ 19.3080, 0.3176,
0.2106

■ 22.5719, 0.3168,
0.2323

■ 26.5795, 0.3158,
0.2560

■ 31.3728, 0.3148,
0.2805

■ 36.9906, 0.3137,
0.3051

Harmonies

Analogous

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



12.2485, 0.1745, 0.1160



12.2485, 0.3195, 0.1534



12.2485, 0.5174, 0.2202

Triad

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



12.2485, 0.3195, 0.1534



12.2485, 0.4964, 0.5036



12.2485, 0.0708, 0.2279

Complementary

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



12.2485, 0.3195, 0.1534



31.0536, 0.3001, 0.5998

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.



12.2485, 0.1148, 0.4444



12.2485, 0.3195, 0.1534



12.2485, 0.3558, 0.6442

Square

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



12.2485, 0.3195, 0.1534



12.2485, 0.6137, 0.3863



12.2485, 0.2195, 0.6700



12.2485, 0.0699, 0.1366

Rectangle

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



12.2485, 0.3195, 0.1534



12.2485, 0.6144, 0.2716



12.2485, 0.2195, 0.6700



12.2485, 0.0793, 0.2839

Sweetspot

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



12.2491, 0.3195, 0.1534



47.7281, 0.3159, 0.2545



3.2021, 0.1504, 0.0612



9.6671, 0.3163, 0.2446



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.2491, 0.3195, 0.1534



22.2093, 0.3195, 0.1534



9.9874, 0.4879, 0.2462



8.6442, 0.3137, 0.3066



8.9872, 0.3195, 0.1534



0.2836, 0.3199, 0.1536

Inverse Universe

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



9.2346, 0.6393, 0.3296



16.7433, 0.6396, 0.3297



31.7049, 0.2738, 0.5056



8.5060, 0.3286, 0.3289



6.7742, 0.6393, 0.3295



0.2134, 0.6361, 0.3278

Previews

White Background



This preview shows how the Yxy color 12.2485, 0.3195, 0.1534 looks on a white background.

Color Contrast Check

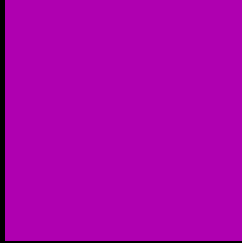
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2485, 0.3195, 0.1534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

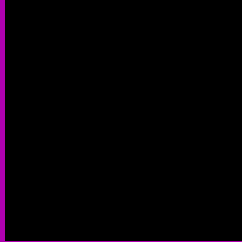
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2485, 0.3195, 0.1534

Background



This preview shows how black text looks on a background with the Yxy color 12.2485, 0.3195, 0.1534.



This preview shows how white text looks on a background with the Yxy color 12.2485, 0.3195, 0.1534.

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

12.2485, 0.3195, 0.1534

Protanopia

12.9572, 0.1744, 0.1477

Deuteranopia

12.9538, 0.2083, 0.2037



Tritanopia

12.6432, 0.4757, 0.3221

Trichromacy



Original Color

12.2485, 0.3195, 0.1534



Protanomaly

8.4303, 0.1836, 0.1140



Deuteranomaly

9.2981, 0.2308, 0.1494



Tritanomaly

11.2739, 0.4206, 0.2381

Monochromacy



Original Color

12.2485, 0.3195, 0.1534



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.3310, 0.3168, 0.1986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2485, 0.3195, 0.1534 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(175, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 176)  
}
```

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(175, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 176) }
```

Border

The CSS property to change the border of an element to Yxy 12.2485, 0.3195, 0.1534 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(175, 0, 176) }
```

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

```
.border{ border-color:rgb(175, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2485, 0.3195, 0.1534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 176) }
```

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

```
.background{ background-color: rgb(175, 0,  
176) }
```

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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