

Converting Colors

$Y_{xy}(20.8772, 0.3379, 0.2321)$

Have a look what the booklet for
Yxy(20.8772, 0.3379, 0.2321)
contains.

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Color

Yxy(21.0049, 0.3388, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	B75FA6
RGB	183, 95, 166
RGB Percent	72%, 37%, 65%
CMY	0.2824, 0.6274, 0.3490
CMYK	0.00, 0.48, 0.09, 0.28
HSL	312°, 38%, 55%
HSV	312°, 48%, 72%
XYZ	30.5035, 21.0049, 38.5255
YIQ	129.4060, 29.6570, 40.7370

Conversions

Conversions Part 2

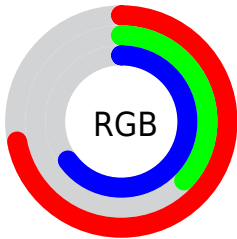
Format	Color
R _Y B	183, 95, 166
Decimal	12017574
CIE Lab	52.95, 45.11, -22.57
CIE LCh	53, 50.439, 333.418
Yxy	21.0049, 0.3388, 0.2333
Android (android.graphics.Color)	4290207654 (0xFFB75FA6)
YUV	129.4060, 18.0408, 47.0019
Hunter-Lab	45.8311, 38.5985, -17.7572

Details

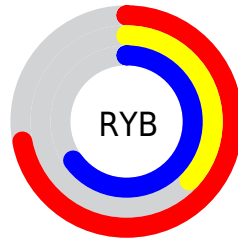
The Yxy color **21.0049, 0.3388, 0.2333** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **37.4692, 0.2950, 0.4497**, and the grayscale version is **22.0313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1010, 0.3348, 0.2520**, and **7.5319, 0.3457, 0.2034** is the 20% darker color. If you saturate the color by 10%, you get **17.9592, 0.3459, 0.2163**, and if you desaturate by 10%, it is **24.8305, 0.3322, 0.2524**.

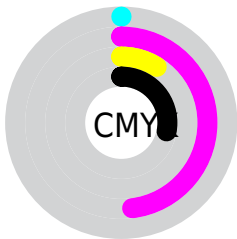
Distribution



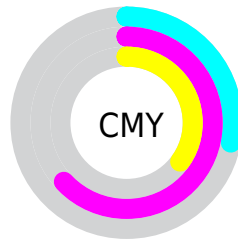
- Red (72%)
- Green (37%)
- Blue (65%)



- Red (72%)
- Yellow (37%)
- Blue (65%)



- Cyan (0%)
- Magenta (48%)
- Yellow (9%)
- Black (28%)




- Cyan (28%)
- Magenta (63%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0049, 0.3388, 0.2333 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 21.0049, 0.3388, 0.2333 by changing the saturation by 10% instead.


 21.0049, 0.3388,
0.2333


 21.0049, 0.3388,
0.2333


257.3045, 0.3259,
0.2832


 13.1276, 0.3419,
0.2203


 45.0957, 0.3342,
0.2518

 7.5165, 0.3457,
0.2034


 62.0780, 0.3324,
0.2587

 3.7871, 0.3505,
0.1806


 82.8640, 0.3309,
0.2644

 1.5552, 0.3562,
0.1485

 107.8382, 0.3296,
0.2693

 0.3271, 0.3715,
0.0784

137.3849, 0.3285,
0.2735

 0.0000, 0.3306,
0.0000

171.8887, 0.3275,

 0.0000, 0.0000,

0.2771

0.0000

211.7337, 0.3267,
0.2803

■ 21.0049, 0.3388,
0.2333

■ 21.0049, 0.3388,
0.2333

■ 17.9592, 0.3459,
0.2163

■ 24.8305, 0.3322,
0.2524

■ 15.6353, 0.3534,
0.2023

■ 29.4827, 0.3261,
0.2726

■ 13.9720, 0.3609,
0.1921


■ 35.0082, 0.3208,
0.2931


■ 12.8962, 0.3682,
0.1865


■ 41.4491, 0.3161,
0.3132

■ 12.2919, 0.3753,
0.1850


■ 48.8450, 0.3120,
0.3326

 12.1944, 0.3767,
0.1849

 57.2331, 0.3085,
0.3510

 66.6485, 0.3055,
0.3681

 77.1247, 0.3030,
0.3839

 85.6555, 0.3009,
0.3938

Harmonies

Analogous

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



21.0049, 0.2512, 0.2022



21.0049, 0.3388, 0.2333



21.0049, 0.4308, 0.2834

Triad

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



21.0049, 0.3388, 0.2333



21.0049, 0.4327, 0.4694



21.0049, 0.1649, 0.2743

Complementary

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



21.0049, 0.3388, 0.2333



37.4692, 0.2950, 0.4497

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.



21.0049, 0.2004, 0.3679



21.0049, 0.3388, 0.2333



21.0049, 0.3538, 0.4996

Square

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



21.0049, 0.3388, 0.2333



21.0049, 0.4844, 0.4091



21.0049, 0.2687, 0.4632



21.0049, 0.1628, 0.2170

Rectangle

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



21.0049, 0.3388, 0.2333



21.0049, 0.4744, 0.3233



21.0049, 0.2687, 0.4632



21.0049, 0.1728, 0.3021

Sweetspot

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



21.0059, 0.3388, 0.2333



66.9466, 0.3189, 0.3009



14.9927, 0.2375, 0.1854



14.2554, 0.3199, 0.2965



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.0059, 0.3388, 0.2333



31.7512, 0.3466, 0.2149



19.6793, 0.4002, 0.2897



9.1322, 0.3166, 0.3107



8.5169, 0.3759, 0.1844



0.3080, 0.3593, 0.1753

Inverse Universe

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



21.0059, 0.3388, 0.2333



31.7512, 0.3466, 0.2149



38.6704, 0.2669, 0.3742



9.1322, 0.3166, 0.3107



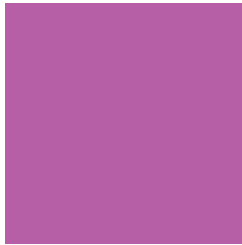
8.5169, 0.3759, 0.1844



0.3080, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 21.0049, 0.3388, 0.2333 looks on a white 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

Black Background



This preview shows how the Yxy color 21.0049, 0.3388, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

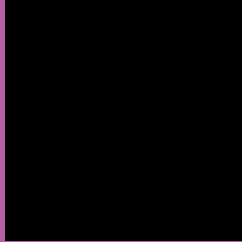
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0049, 0.3388, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 21.0049, 0.3388, 0.2333.



This preview shows how white text looks on a background with the Yxy color 21.0049, 0.3388, 0.2333.

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

21.0049, 0.3388, 0.2333

Protanopia

21.3446, 0.2358, 0.2252

Deuteranopia

21.0535, 0.2717, 0.2657



Tritanopia

20.8701, 0.4003, 0.3174

Trichromacy



Original Color

21.0049, 0.3388, 0.2333



Protanomaly

20.3574, 0.2648, 0.2243



Deuteranomaly

20.3839, 0.2939, 0.2494



Tritanomaly

20.7799, 0.3772, 0.2843

Monochromacy



Original Color

21.0049, 0.3388, 0.2333



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

21.0651, 0.3233, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0049, 0.3388, 0.2333 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(183, 95, 166)` looks like.

```
.text, #text, p{  
    color:rgb(183, 95, 166)  
}
```

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(183, 95, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 95, 166) }
```

Border

The CSS property to change the border of an element to Yxy 21.0049, 0.3388, 0.2333 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(183, 95, 166) }
```

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

```
.border{ border-color:rgb(183, 95, 166) }
```

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

Here you see how a box with a 4 pixel rgb(183, 95, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 95, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 95, 166);  
box-shadow:4px 4px 4px 4px rgb(183, 95,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0049, 0.3388, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 95, 166) }
```

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

```
.background{ background-color: rgb(183, 95,  
166) }
```

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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