

Converting Colors

$Y_{xy}(20.3520, 0.3411, 0.2307)$

Have a look what the booklet for
Yxy(20.3520, 0.3411, 0.2307)
contains.

Yxy(20.4382, 0.3405, 0.2308)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4382, 0.3405, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	B75CA5
RGB	183, 92, 165
RGB Percent	72%, 36%, 65%
CMY	0.2823, 0.6393, 0.3529
CMYK	0.00, 0.50, 0.10, 0.28
HSL	312°, 39%, 54%
HSV	312°, 50%, 72%
XYZ	30.1525, 20.4382, 37.9630
YIQ	127.5310, 30.8030, 41.9950

Conversions

Conversions Part 2

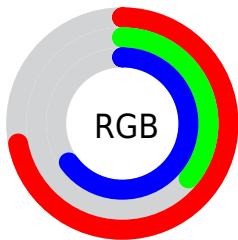
Format	Color
R_{YB}	183, 92, 165
Decimal	12016805
CIE _{Lab}	52.33, 46.49, -22.96
CIE _{LCh}	52, 51.846, 333.718
Yxy	20.4382, 0.3405, 0.2308
Android (android.graphics.Color)	4290206885 (0xFFB75CA5)
YUV	127.5310, 18.4722, 48.6463
Hunter-Lab	45.2086, 39.9380, -18.1415

Details

The Yxy color **20.4382, 0.3405, 0.2308** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **37.2765, 0.2943, 0.4540**, and the grayscale version is **21.3426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1189, 0.3360, 0.2499**, and **7.2325, 0.3483, 0.1998** is the 20% darker color. If you saturate the color by 10%, you get **17.5128, 0.3479, 0.2143**, and if you desaturate by 10%, it is **24.1351, 0.3336, 0.2495**.

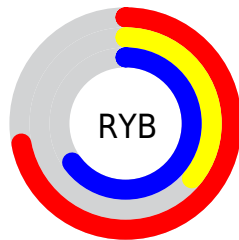
Distribution



Red (72%)

Green (36%)

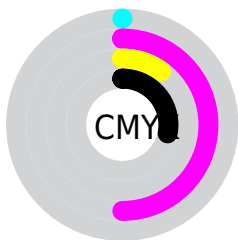
Blue (65%)



Red (72%)

Yellow (36%)

Blue (65%)

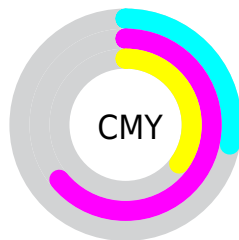


Cyan (0%)

Magenta (50%)

Yellow (10%)

Black (28%)



Cyan (28%)


Magenta (64%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4382, 0.3405, 0.2308 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 20.4382, 0.3405, 0.2308 by changing the saturation by 10% instead.


 20.4382, 0.3405,
0.2308


 20.4382, 0.3405,
0.2308

254.2776, 0.3267,
0.2820


 12.7140, 0.3438,
0.2174


 44.1506, 0.3355,
0.2499


 7.2319, 0.3479,
0.2000

 60.9077, 0.3337,
0.2569

 3.6075, 0.3531,
0.1766


 81.4444, 0.3321,
0.2628

 1.4565, 0.3594,
0.1437

 106.1452, 0.3307,
0.2678

 0.2578, 0.3784,
0.0649

135.3946, 0.3295,
0.2721

 0.0000, 0.3251,
0.0000

169.5768, 0.3284,

 0.0000, 0.0000,

0.2759

0.0000

209.0763, 0.3275,
0.2791

■ 20.4382, 0.3405,
0.2308

■ 20.4382, 0.3405,
0.2308

■ 17.5128, 0.3479,
0.2143

■ 24.1351, 0.3336,
0.2495

■ 15.2999, 0.3555,
0.2009

■ 28.6512, 0.3274,
0.2695

■ 13.7367, 0.3632,
0.1916

■ 34.0337, 0.3218,
0.2899

■ 12.7479, 0.3708,
0.1867

■ 40.3253, 0.3169,
0.3101

■ 12.1846, 0.3780,
0.1857

■ 47.5659, 0.3126,
0.3295

■ 12.1714, 0.3782,
0.1857

■ 55.7932, 0.3090,
0.3479

■ 65.0427, 0.3059,
0.3651

■ 75.3481, 0.3033,
0.3811

■ 85.6485, 0.3011,
0.3941

Harmonies

Analogous

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



20.4382, 0.2498, 0.1987



20.4382, 0.3405, 0.2308



20.4382, 0.4360, 0.2823

Triad

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



20.4382, 0.3405, 0.2308



20.4382, 0.4351, 0.4739



20.4382, 0.1602, 0.2711

Complementary

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



20.4382, 0.3405, 0.2308



37.2765, 0.2943, 0.4540

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.



20.4382, 0.1959, 0.3680



20.4382, 0.3405, 0.2308



20.4382, 0.3534, 0.5062

Square

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



20.4382, 0.3405, 0.2308



20.4382, 0.4895, 0.4112



20.4382, 0.2658, 0.4682



20.4382, 0.1586, 0.2128

Rectangle

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



20.4382, 0.3405, 0.2308



20.4382, 0.4808, 0.3231



20.4382, 0.2658, 0.4682



20.4382, 0.1681, 0.2997

Sweetspot

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



20.4392, 0.3405, 0.2308



65.7931, 0.3195, 0.2990



14.3022, 0.2344, 0.1798



14.0209, 0.3205, 0.2948



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.



20.4392, 0.3405, 0.2308



30.7937, 0.3488, 0.2124



19.0977, 0.4048, 0.2885



9.1315, 0.3167, 0.3108



8.4985, 0.3774, 0.1853



0.3075, 0.3603, 0.1759

Inverse Universe

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



20.4392, 0.3405, 0.2308



30.7937, 0.3488, 0.2124



38.4905, 0.2658, 0.3761



9.1315, 0.3167, 0.3108



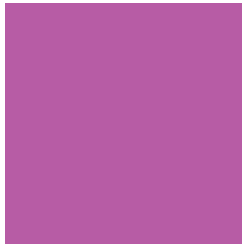
8.4985, 0.3774, 0.1853



0.3075, 0.3603, 0.1759

Previews

White Background



This preview shows how the Yxy color 20.4382, 0.3405, 0.2308 looks on a white background.

Color Contrast Check

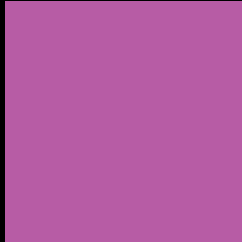
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4382, 0.3405, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

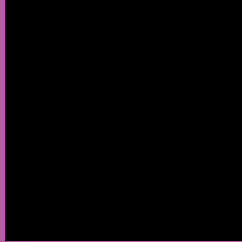
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4382, 0.3405, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 20.4382, 0.3405, 0.2308.



This preview shows how white text looks on a background with the Yxy color 20.4382, 0.3405, 0.2308.

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

20.4382, 0.3405, 0.2308

Protanopia

20.6648, 0.2328, 0.2213

Deuteranopia

20.6259, 0.2704, 0.2651



Tritanopia

20.4176, 0.4043, 0.3174

Trichromacy



Original Color

20.4382, 0.3405, 0.2308

Protanomaly

19.7089, 0.2633, 0.2218

Deuteranomaly

19.9478, 0.2926, 0.2487

Tritanomaly

20.3367, 0.3808, 0.2843

Monochromacy



Original Color

20.4382, 0.3405, 0.2308

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.4805, 0.3235, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4382, 0.3405, 0.2308 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, 92, 165)` looks like.

```
.text, #text, p{  
    color:rgb(183, 92, 165)  
}
```

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, 92, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 92, 165) }
```

Border

The CSS property to change the border of an element to Yxy 20.4382, 0.3405, 0.2308 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, 92, 165) }
```

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

```
.border{ border-color:rgb(183, 92, 165) }
```

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

Here you see how a box with a 4 pixel rgb(183, 92, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 92, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 92, 165);  
box-shadow:4px 4px 4px 4px rgb(183, 92,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4382, 0.3405, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 92, 165) }
```

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

```
.background{ background-color: rgb(183, 92,  
165) }
```

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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