

Converting Colors

$Y_{xy}(13.5789, 0.4555, 0.2517)$

Have a look what the booklet for
Yxy(13.5789, 0.4555, 0.2517)
contains.

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Color

Yxy(13.5789, 0.4555, 0.2517)

Conversions

Conversions Part 1

Format	Color
Hex	BD2A6D
RGB	189, 42, 109
RGB Percent	74%, 16%, 43%
CMY	0.2589, 0.8352, 0.5725
CMYK	0.00, 0.78, 0.42, 0.26
HSL	333°, 64%, 45%
HSV	333°, 78%, 74%
XYZ	24.5737, 13.5789, 15.7962
YIQ	93.5910, 66.1050, 52.0010

Conversions

Conversions Part 2

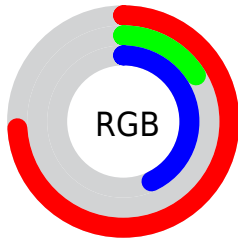
Format	Color
R_{YB}	189, 42, 109
Decimal	12397165
CIE _{Lab}	43.62, 61.53, -2.29
CIE _{LCh}	44, 61.575, 357.867
Yxy	13.5789, 0.4555, 0.2517
Android (android.graphics.Color)	4290587245 (0xFFBD2A6D)
YUV	93.5910, 7.5966, 83.6737
Hunter-Lab	36.8496, 54.5485, 0.3790

Details

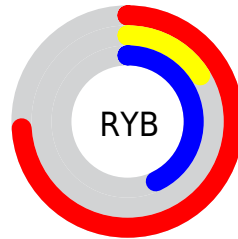
The Yxy color **13.5789, 0.4555, 0.2517** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **38.2901, 0.2649, 0.4475**, and the grayscale version is **11.0647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3648, 0.4220, 0.2703**, and **5.0936, 0.4993, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **12.3311, 0.4828, 0.2530**, and if you desaturate by 10%, it is **15.4859, 0.4287, 0.2553**.

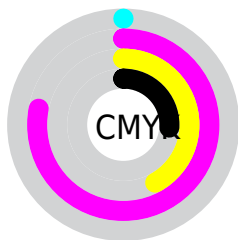
Distribution



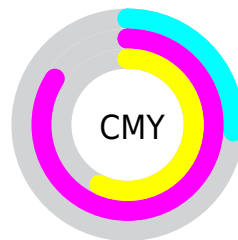
- Red (74%)
- Green (16%)
- Blue (43%)



- Red (74%)
- Yellow (16%)
- Blue (43%)



- Cyan (0%)
- Magenta (78%)
- Yellow (42%)
- Black (26%)





- Cyan (26%)
- Magenta (84%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5789, 0.4555, 0.2517 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 13.5789, 0.4555, 0.2517 by changing the saturation by 10% instead.


 13.5789, 0.4555,
0.2517


 13.5789, 0.4555,
0.2517


214.5952, 0.3710,
0.2970


 7.8284, 0.4823,
0.2376


 32.3400, 0.4210,
0.2700

 3.9853, 0.5207,
0.2177

 46.1193, 0.4092,
0.2763


 1.6654, 0.5798,
0.1874

 63.3437, 0.3997,
0.2814

 0.4011, 0.7039,
0.1190

 84.3975, 0.3919,
0.2856

 0.0000, 1.0000,
0.0000

 109.6652, 0.3854,
0.2891

 0.0000, 0.0000,
0.0000

 139.5311, 0.3799,

0.2921

174.3796, 0.3751,
0.2947

■ 13.5789, 0.4555,
0.2517

■ 13.5789, 0.4555,
0.2517

■ 12.3311, 0.4828,
0.2530

■ 15.4859, 0.4287,
0.2553

■ 11.6214, 0.5091,
0.2594

■ 18.1293, 0.4036,
0.2628

■ 11.4921, 0.5150,
0.2611

■ 21.5779, 0.3813,
0.2729

■ 25.8919, 0.3619,
0.2845

■ 31.1257, 0.3454,
0.2966

■ 37.3292, 0.3316,
0.3087

■ 44.5488, 0.3202,
0.3204

■ 52.8276, 0.3108,
0.3314

■ 62.2065, 0.3030,
0.3416

Harmonies

Analogous

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



13.5789, 0.3212, 0.1942



13.5789, 0.4555, 0.2517



13.5789, 0.5460, 0.3228

Triad

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



13.5789, 0.4555, 0.2517



13.5789, 0.3741, 0.5621



13.5789, 0.1178, 0.1866

Complementary

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



13.5789, 0.4555, 0.2517



38.2901, 0.2649, 0.4475

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.



13.5789, 0.1241, 0.2668



13.5789, 0.4555, 0.2517



13.5789, 0.2636, 0.5477

Square

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



13.5789, 0.4555, 0.2517



13.5789, 0.4770, 0.4886



13.5789, 0.1717, 0.4105



13.5789, 0.1452, 0.1569

Rectangle

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



13.5789, 0.4555, 0.2517



13.5789, 0.5560, 0.3741



13.5789, 0.1717, 0.4105



13.5789, 0.1160, 0.2065

Sweetspot

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



13.5797, 0.4555, 0.2517



60.4184, 0.3391, 0.3020



9.3534, 0.2339, 0.1228



12.1617, 0.3443, 0.2976



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



13.5797, 0.4555, 0.2517



21.1597, 0.5006, 0.2569



13.0119, 0.5755, 0.3341



9.6067, 0.3219, 0.3186



7.7479, 0.5119, 0.2594



0.3167, 0.4546, 0.2278

Inverse Universe

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



13.5797, 0.4555, 0.2517



21.1597, 0.5006, 0.2569



38.4865, 0.2277, 0.3209



9.6067, 0.3219, 0.3186



7.7479, 0.5119, 0.2594



0.3167, 0.4546, 0.2278

Previews

White Background



This preview shows how the Yxy color 13.5789, 0.4555, 0.2517 looks on a white background.

Color Contrast Check

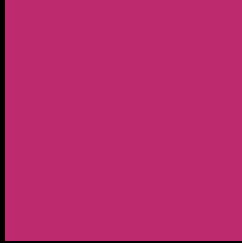
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5789, 0.4555, 0.2517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

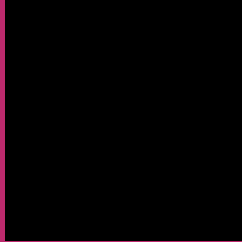
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5789, 0.4555, 0.2517

Background



This preview shows how black text looks on a background with the Yxy color 13.5789, 0.4555, 0.2517.



This preview shows how white text looks on a background with the Yxy color 13.5789, 0.4555, 0.2517.

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

13.5789, 0.4555, 0.2517

Protanopia

14.0000, 0.2496, 0.2435

Deuteranopia

13.9115, 0.3319, 0.3270



Tritanopia

13.5832, 0.5396, 0.3264

Trichromacy



Original Color

13.5789, 0.4555, 0.2517

Protanomaly

12.0903, 0.3081, 0.2338

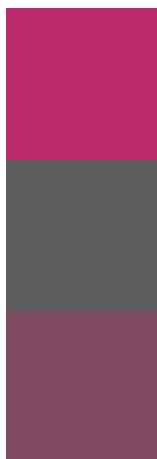
Deuteranomaly

12.5080, 0.3768, 0.2844

Tritanomaly

13.4683, 0.5127, 0.3000

Monochromacy



Original Color

13.5789, 0.4555, 0.2517

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.6001, 0.3681, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5789, 0.4555, 0.2517 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(189, 42, 109)` looks like.

```
.text, #text, p{  
    color:rgb(189, 42, 109)  
}
```

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(189, 42, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 42, 109) }
```

Border

The CSS property to change the border of an element to Yxy 13.5789, 0.4555, 0.2517 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(189, 42, 109) }
```

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

```
.border{ border-color:rgb(189, 42, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 42, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 42, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 42, 109);  
box-shadow:4px 4px 4px 4px rgb(189, 42,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5789, 0.4555, 0.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 42, 109) }
```

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

```
.background{ background-color: rgb(189, 42,  
109) }
```

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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