

Converting Colors

$Y_{xy}(13.5335, 0.3532, 0.2192)$

Have a look what the booklet for
Yxy(13.5335, 0.3532, 0.2192)
contains.

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Color

Yxy(13.4606, 0.3536, 0.2190)

Conversions

Conversions Part 1

Format	Color
Hex	A3418C
RGB	163, 65, 140
RGB Percent	64%, 25%, 55%
CMY	0.3607, 0.7452, 0.4509
CMYK	0.00, 0.60, 0.14, 0.36
HSL	314°, 43%, 45%
HSV	314°, 60%, 64%
XYZ	21.7336, 13.4606, 26.2697
YIQ	102.8520, 34.3330, 44.1010

Conversions

Conversions Part 2

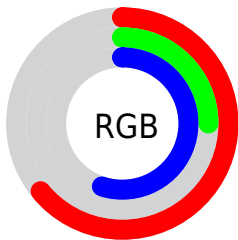
Format	Color
R_{YB}	163, 65, 140
Decimal	10699148
CIE _{Lab}	43.45, 49.50, -22.01
CIE _{LCh}	43, 54.176, 336.031
Yxy	13.4606, 0.3536, 0.2190
Android (android.graphics.Color)	4288889228 (0xFFA3418C)
YUV	102.8520, 18.3140, 52.7498
Hunter-Lab	36.6887, 41.5346, -16.7705

Details

The Yxy color **13.4606, 0.3536, 0.2190** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.0325, 0.2897, 0.4766**, and the grayscale version is **13.4649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0676, 0.3448, 0.2418**, and **3.9263, 0.3656, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **11.7419, 0.3627, 0.2062**, and if you desaturate by 10%, it is **15.7246, 0.3449, 0.2348**.

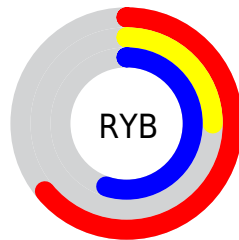
Distribution



Red (64%)

Green (25%)

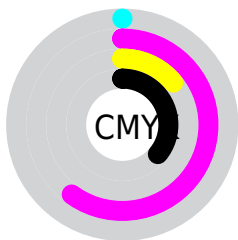
Blue (55%)



Red (64%)

Yellow (25%)

Blue (55%)

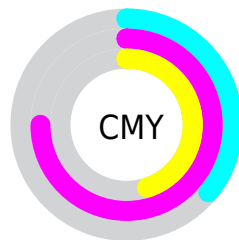


Cyan (0%)

Magenta (60%)

Yellow (14%)

Black (36%)



Cyan (36%)


Magenta (75%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4606, 0.3536, 0.2190 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 13.4606, 0.3536, 0.2190 by changing the saturation by 10% instead.


 13.4606, 0.3536,
0.2190


 13.4606, 0.3536,
0.2190


213.8489, 0.3316,
0.2794


 7.7465, 0.3595,
0.2021


 32.1288, 0.3453,
0.2423


 3.9332, 0.3672,
0.1795


 45.8517, 0.3422,
0.2506


 1.6362, 0.3776,
0.1479

 63.0130, 0.3397,
0.2575

 0.3818, 0.3991,
0.0845

 83.9970, 0.3376,
0.2633

 0.0000, 0.4094,
0.0000

 109.1883, 0.3358,
0.2682

 0.0000, 0.0000,
0.0000

138.9710, 0.3342,

0.2725

173.7298, 0.3328,
0.2761

■ 13.4606, 0.3536,
0.2190

■ 13.4606, 0.3536,
0.2190

■ 11.7419, 0.3627,
0.2062

■ 15.7246, 0.3449,
0.2348

■ 10.5186, 0.3720,
0.1974

■ 18.5743, 0.3369,
0.2527

■ 9.7349, 0.3812,
0.1930

■ 22.0485, 0.3296,
0.2718

■ 9.2644, 0.3901,
0.1923

■ 26.1819, 0.3232,
0.2912

■ 31.0069, 0.3176,
0.3103

■ 36.5538, 0.3128,
0.3287

■ 42.8507, 0.3087,
0.3462

■ 49.9247, 0.3052,
0.3625

■ 57.8011, 0.3023,
0.3776

Harmonies

Analogous

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



13.4606, 0.2448, 0.1812



13.4606, 0.3536, 0.2190



13.4606, 0.4677, 0.2776

Triad

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



13.4606, 0.3536, 0.2190



13.4606, 0.4432, 0.4988



13.4606, 0.1356, 0.2503

Complementary

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



13.4606, 0.3536, 0.2190



28.0325, 0.2897, 0.4766

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.



13.4606, 0.1703, 0.3638



13.4606, 0.3536, 0.2190



13.4606, 0.3463, 0.5427

Square

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



13.4606, 0.3536, 0.2190



13.4606, 0.5141, 0.4224



13.4606, 0.2463, 0.4935



13.4606, 0.1376, 0.1895

Rectangle

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



13.4606, 0.3536, 0.2190



13.4606, 0.5175, 0.3231



13.4606, 0.2463, 0.4935



13.4606, 0.1427, 0.2824

Sweetspot

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



13.4612, 0.3536, 0.2190



48.3427, 0.3221, 0.2947



8.4906, 0.2209, 0.1499



10.3520, 0.3238, 0.2893



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.4612, 0.3536, 0.2190



20.2300, 0.3657, 0.2029



12.3248, 0.4443, 0.2898



7.1736, 0.3171, 0.3120



7.2045, 0.3893, 0.1919



0.1579, 0.3602, 0.1758

Inverse Universe

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



13.4612, 0.3536, 0.2190



20.2300, 0.3657, 0.2029



29.1309, 0.2566, 0.3777



7.1736, 0.3171, 0.3120



7.2045, 0.3893, 0.1919



0.1579, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 13.4606, 0.3536, 0.2190 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 13.4606, 0.3536, 0.2190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

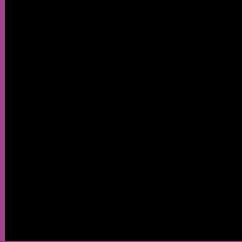
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4606, 0.3536, 0.2190

Background



This preview shows how black text looks on a background with the Yxy color 13.4606, 0.3536, 0.2190.



This preview shows how white text looks on a background with the Yxy color 13.4606, 0.3536, 0.2190.

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

13.4606, 0.3536, 0.2190

Protanopia

13.7084, 0.2179, 0.2019

Deuteranopia

13.7654, 0.2678, 0.2636



Tritanopia

13.4159, 0.4369, 0.3196

Trichromacy



Original Color

13.4606, 0.3536, 0.2190

Protanomaly

12.6362, 0.2538, 0.2024

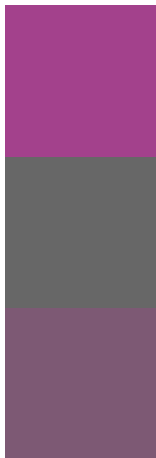
Deuteranomaly

12.9873, 0.2953, 0.2412

Tritanomaly

13.2884, 0.4063, 0.2798

Monochromacy



Original Color

13.4606, 0.3536, 0.2190

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.7657, 0.3291, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4606, 0.3536, 0.2190 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(163, 65, 140)` looks like.

```
.text, #text, p{  
    color:rgb(163, 65, 140)  
}
```

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(163, 65, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 65, 140) }
```

Border

The CSS property to change the border of an element to Yxy 13.4606, 0.3536, 0.2190 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(163, 65, 140) }
```

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

```
.border{ border-color:rgb(163, 65, 140) }
```

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

Here you see how a box with a 4 pixel rgb(163, 65, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 65, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 65, 140);  
box-shadow:4px 4px 4px 4px rgb(163, 65,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4606, 0.3536, 0.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 65, 140) }
```

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

```
.background{ background-color: rgb(163, 65,  
140) }
```

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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