

Converting Colors

$Y_{xy}(13.3606, 0.4589, 0.2797)$

Have a look what the booklet for
Yxy(13.3606, 0.4589, 0.2797)
contains.

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Color

Yxy(13.4374, 0.4593, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	B23B60
RGB	178, 59, 96
RGB Percent	70%, 23%, 38%
CMY	0.3020, 0.7686, 0.6235
CMYK	0.00, 0.67, 0.46, 0.30
HSL	341°, 50%, 46%
HSV	341°, 67%, 70%
XYZ	22.0343, 13.4374, 12.5019
YIQ	98.7990, 59.0470, 36.7350

Conversions

Conversions Part 2

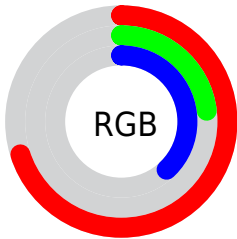
Format	Color
R_{YB}	178, 59, 96
Decimal	11680608
CIE _{Lab}	43.42, 51.06, 5.23
CIE _{LCh}	43, 51.322, 5.851
Yxy	13.4374, 0.4593, 0.2801
Android (android.graphics.Color)	4289870688 (0xFFB23B60)
YUV	98.7990, -1.3799, 69.4593
Hunter-Lab	36.6571, 43.1451, 5.4390

Details

The Yxy color **13.4374, 0.4593, 0.2801** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **34.6901, 0.2562, 0.3945**, and the grayscale version is **12.4184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0627, 0.4239, 0.2932**, and **4.2234, 0.5221, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **11.7009, 0.4946, 0.2789**, and if you desaturate by 10%, it is **15.8343, 0.4264, 0.2847**.

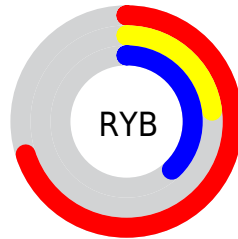
Distribution



Red (70%)

Green (23%)

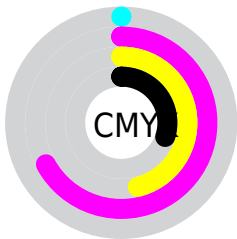
Blue (38%)



Red (70%)

Yellow (23%)

Blue (38%)

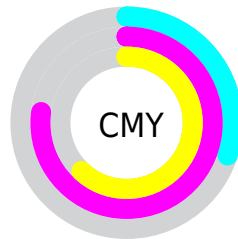


Cyan (0%)

Magenta (67%)

Yellow (46%)

Black (30%)



Cyan (30%)

Magenta (77%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4374, 0.4593, 0.2801 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 13.4374, 0.4593, 0.2801 by changing the saturation by 10% instead.


 13.4374, 0.4593,
0.2801


 13.4374, 0.4593,
0.2801


213.7022, 0.3712,
0.3107


 7.7304, 0.4880,
0.2695


 32.0874, 0.4228,
0.2932


 3.9229, 0.5297,
0.2534

 45.7992, 0.4106,
0.2974


 1.6306, 0.5950,
0.2268

 62.9481, 0.4008,
0.3008

 0.3781, 0.8144,
0.1655

 83.9184, 0.3927,
0.3035

 0.0000, 1.0000,
0.0000

 109.0946, 0.3860,
0.3058

 0.0000, 0.0000,
0.0000

138.8610, 0.3803,

0.3077

173.6021, 0.3755,
0.3093

■ 13.4374, 0.4593,
0.2801

■ 13.4374, 0.4593,
0.2801

■ 11.7009, 0.4946,
0.2789

■ 15.8343, 0.4264,
0.2847

■ 10.5545, 0.5299,
0.2821

■ 18.9480, 0.3974,
0.2914

■ 9.9039, 0.5621,
0.2897

■ 22.8315, 0.3726,
0.2993

■ 9.7431, 0.5717,
0.2923

■ 27.5319, 0.3518,
0.3077

■ 33.0927, 0.3348,
0.3159

■ 39.5542, 0.3208,
0.3239

■ 46.9541, 0.3094,
0.3313

■ 55.3282, 0.3000,
0.3381

■ 64.7100, 0.2924,
0.3444

Harmonies

Analogous

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



13.4374, 0.3513, 0.2233



13.4374, 0.4593, 0.2801



13.4374, 0.5189, 0.3476

Triad

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



13.4374, 0.4593, 0.2801



13.4374, 0.3473, 0.5314



13.4374, 0.1441, 0.1959

Complementary

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



13.4374, 0.4593, 0.2801



34.6901, 0.2562, 0.3945

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.



13.4374, 0.1427, 0.2555



13.4374, 0.4593, 0.2801



13.4374, 0.2510, 0.4841

Square

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



13.4374, 0.4593, 0.2801



13.4374, 0.4399, 0.4924



13.4374, 0.1773, 0.3634



13.4374, 0.1780, 0.1763

Rectangle

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



13.4374, 0.4593, 0.2801



13.4374, 0.5179, 0.3957



13.4374, 0.1773, 0.3634



13.4374, 0.1400, 0.2107

Sweetspot

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



13.4381, 0.4593, 0.2801



56.3040, 0.3404, 0.3131



11.9463, 0.2702, 0.1577



11.8521, 0.3451, 0.3108



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.4381, 0.4593, 0.2801



20.1527, 0.5108, 0.2798



15.6390, 0.5051, 0.3578



8.5474, 0.3240, 0.3219



6.9822, 0.5687, 0.2907



0.2305, 0.4883, 0.2464

Inverse Universe

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



13.4381, 0.4593, 0.2801



20.1527, 0.5108, 0.2798



27.9811, 0.2264, 0.2911



8.5474, 0.3240, 0.3219



6.9822, 0.5687, 0.2907



0.2305, 0.4883, 0.2464

Previews

White Background



This preview shows how the Yxy color 13.4374, 0.4593, 0.2801 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 13.4374, 0.4593, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

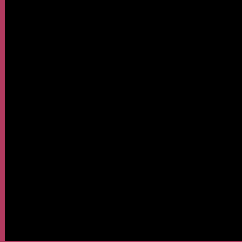
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4374, 0.4593, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 13.4374, 0.4593, 0.2801.



This preview shows how white text looks on a background with the Yxy color 13.4374, 0.4593, 0.2801.

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

13.4374, 0.4593, 0.2801

Protanopia

13.7903, 0.2861, 0.2910

Deuteranopia

13.7041, 0.3542, 0.3499



Tritanopia

13.4404, 0.5037, 0.3244

Trichromacy



Original Color

13.4374, 0.4593, 0.2801

Protanomaly

12.5754, 0.3403, 0.2809

Deuteranomaly

12.8452, 0.3940, 0.3164

Tritanomaly

13.4666, 0.4883, 0.3084

Monochromacy



Original Color

13.4374, 0.4593, 0.2801

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.8117, 0.3645, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4374, 0.4593, 0.2801 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(178, 59, 96)` looks like.

```
.text, #text, p{  
    color:rgb(178, 59, 96)  
}
```

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(178, 59, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 59, 96) }
```

Border

The CSS property to change the border of an element to Yxy 13.4374, 0.4593, 0.2801 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(178, 59, 96) }
```

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

```
.border{ border-color:rgb(178, 59, 96) }
```

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

Here you see how a box with a 4 pixel rgb(178, 59, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 59, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 59, 96);  
box-shadow:4px 4px 4px 4px rgb(178, 59,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4374, 0.4593, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 59, 96) }
```

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

```
.background{ background-color: rgb(178, 59,  
96) }
```

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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