

Converting Colors

$Y_{xy}(13.3884, 0.2388, 0.2482)$

Have a look what the booklet for
Yxy(13.3884, 0.2388, 0.2482)
contains.

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Color

Yxy(13.4314, 0.2395, 0.2495)

Conversions

Conversions Part 1

Format	Color
Hex	4D688E
RGB	77, 104, 142
RGB Percent	30%, 41%, 56%
CMY	0.6981, 0.5921, 0.4431
CMYK	0.46, 0.27, 0.00, 0.44
HSL	215°, 30%, 43%
HSV	215°, 46%, 56%
XYZ	12.8931, 13.4314, 27.5088
YIQ	100.2590, -28.2900, 6.0940

Conversions

Conversions Part 2

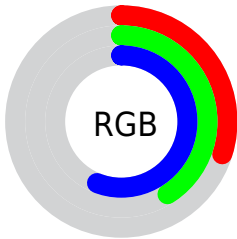
Format	Color
R_{YB}	77, 96, 142
Decimal	5073038
CIE _{Lab}	43.41, 0.85, -24.01
CIE _{LCh}	43, 24.025, 272.018
Yxy	13.4314, 0.2395, 0.2495
Android (android.graphics.Color)	4283263118 (0xFF4D688E)
YUV	100.2590, 20.5783, -20.3981
Hunter-Lab	36.6489, -1.3393, -18.8491

Details

The Yxy color **13.4314, 0.2395, 0.2495** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.5478, 0.3981, 0.3964**, and the grayscale version is **12.7650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0953, 0.2569, 0.2683**, and **3.9056, 0.2065, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **11.3146, 0.2234, 0.2282**, and if you desaturate by 10%, it is **15.8427, 0.2561, 0.2697**.

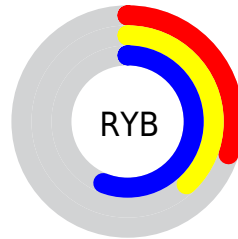
Distribution



Red (30%)

Green (41%)

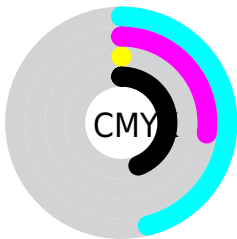
Blue (56%)



Red (30%)

Yellow (38%)

Blue (56%)

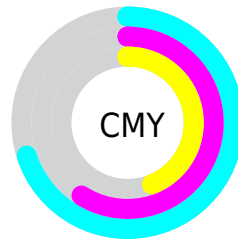


Cyan (46%)

Magenta (27%)

Yellow (0%)

Black (44%)



Cyan (70%)

Magenta (59%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4314, 0.2395, 0.2495 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 13.4314, 0.2395, 0.2495 by changing the saturation by 10% instead.

■ 13.4314, 0.2395,
0.2495

■ 13.4314, 0.2395,
0.2495

■ 213.6643, 0.2826,
0.2961

■ 7.7263, 0.2260,
0.2350

■ 32.0767, 0.2570,
0.2684

■ 3.9203, 0.2069,
0.2144

■ 45.7856, 0.2630,
0.2749

■ 1.6291, 0.1778,
0.1834

■ 62.9313, 0.2678,
0.2801

■ 0.3771, 0.1135,
0.1129

■ 83.8980, 0.2718,
0.2845

■ 0.0000, 0.0000,
0.0000

■ 109.0703, 0.2752,
0.2881

138.8325, 0.2780,

0.2912

173.5690, 0.2805,
0.2938

■ 13.4314, 0.2395,
0.2495

■ 13.4314, 0.2395,
0.2495

■ 11.3146, 0.2234,
0.2282

■ 15.8427, 0.2561,
0.2697

■ 9.4777, 0.2082,
0.2062

■ 18.5592, 0.2726,
0.2884

■ 7.9065, 0.1946,
0.1841

■ 21.5929, 0.2887,
0.3055

■ 6.5851, 0.1832,
0.1627

■ 24.9547, 0.3042,
0.3208

■ 5.4917, 0.1742,
0.1426

■ 28.6549, 0.3187,
0.3346

■ 5.0817, 0.1707,
0.1346

■ 32.7031, 0.3324,
0.3468

■ 37.1088, 0.3451,
0.3575

■ 41.8810, 0.3568,
0.3669

■ 47.0282, 0.3675,
0.3752

Harmonies

Analogous

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



13.4314, 0.2217, 0.2670



13.4314, 0.2395, 0.2495



13.4314, 0.2765, 0.2515

Triad

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



13.4314, 0.2395, 0.2495



13.4314, 0.4086, 0.3417



13.4314, 0.2932, 0.3999

Complementary

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



13.4314, 0.2395, 0.2495



18.5478, 0.3981, 0.3964

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.



13.4314, 0.3433, 0.4210



13.4314, 0.2395, 0.2495



13.4314, 0.4122, 0.3811

Square

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



13.4314, 0.2395, 0.2495



13.4314, 0.3762, 0.3025



13.4314, 0.3873, 0.4116



13.4314, 0.2505, 0.3542

Rectangle

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



13.4314, 0.2395, 0.2495



13.4314, 0.3091, 0.2625



13.4314, 0.3873, 0.4116



13.4314, 0.3097, 0.4104

Sweetspot

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



13.4319, 0.2395, 0.2495



38.9208, 0.2911, 0.3079



22.1628, 0.2746, 0.3846



8.4510, 0.2881, 0.3048



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



13.4319, 0.2395, 0.2495



19.8257, 0.2228, 0.2274



9.0712, 0.2357, 0.1935



5.6001, 0.2990, 0.3158



4.5967, 0.1709, 0.1354



0.0858, 0.1938, 0.2175

Inverse Universe

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



12.0572, 0.3799, 0.2808



17.7394, 0.4036, 0.2711



25.1694, 0.3718, 0.4401



5.4589, 0.3221, 0.3199



5.4504, 0.5253, 0.2668



0.0563, 0.4260, 0.2120

Previews

White Background



This preview shows how the Yxy color 13.4314, 0.2395, 0.2495 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 13.4314, 0.2395, 0.2495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

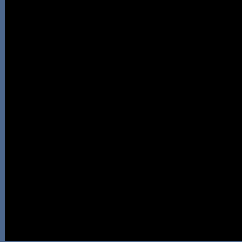
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

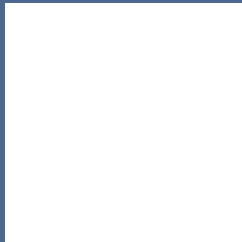
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.4314, 0.2395, 0.2495

Background



This preview shows how black text looks on a background with the Yxy color 13.4314, 0.2395, 0.2495.

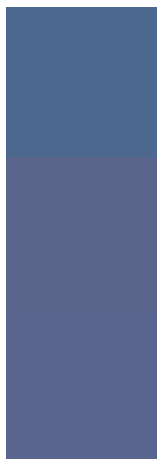


This preview shows how white text looks on a background with the Yxy color 13.4314, 0.2395, 0.2495.

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

13.4314, 0.2395, 0.2495

Protanopia

13.4250, 0.2546, 0.2495

Deuteranopia

13.4144, 0.2497, 0.2439



Tritanopia

13.5237, 0.2571, 0.3103

Trichromacy



Original Color

13.4314, 0.2395, 0.2495

Protanomaly

13.4043, 0.2486, 0.2488

Deuteranomaly

13.4172, 0.2458, 0.2451

Tritanomaly

13.4382, 0.2509, 0.2864

Monochromacy



Original Color

13.4314, 0.2395, 0.2495

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8205, 0.2826, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4314, 0.2395, 0.2495 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(77, 104, 142)` looks like.

```
.text, #text, p{  
    color:rgb(77, 104, 142)  
}
```

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(77, 104, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 104, 142) }
```

Border

The CSS property to change the border of an element to Yxy 13.4314, 0.2395, 0.2495 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(77, 104, 142) }
```

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

```
.border{ border-color:rgb(77, 104, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 104, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 104, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 104, 142);  
box-shadow:4px 4px 4px 4px rgb(77, 104,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4314, 0.2395, 0.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 104, 142) }
```

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

```
.background{ background-color: rgb(77, 104,  
142) }
```

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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