

Converting Colors

$Y_{xy}(13.4434, 0.2413, 0.2515)$

Have a look what the booklet for
Yxy(13.4434, 0.2413, 0.2515)
contains.

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Color

Yxy(13.4434, 0.2413, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	4E688D
RGB	78, 104, 141
RGB Percent	31%, 41%, 55%
CMY	0.6942, 0.5921, 0.4471
CMYK	0.45, 0.26, 0.00, 0.45
HSL	215°, 29%, 43%
HSV	215°, 45%, 55%
XYZ	12.8982, 13.4434, 27.1113
YIQ	100.4440, -27.3730, 5.9950

Conversions

Conversions Part 2

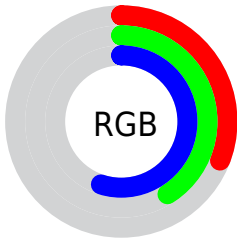
Format	Color
R _Y B	78, 96, 141
Decimal	5138573
CIE Lab	43.42, 0.80, -23.37
CIE LCh	43, 23.382, 271.969
Yxy	13.4434, 0.2413, 0.2515
Android (android.graphics.Color)	4283328653 (0xFF4E688D)
YUV	100.4440, 19.9941, -19.6834
Hunter-Lab	36.6652, -1.3710, -18.1750

Details

The Yxy color **13.4434, 0.2413, 0.2515** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.4660, 0.3954, 0.3950**, and the grayscale version is **12.8158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1286, 0.2584, 0.2697**, and **3.9012, 0.2084, 0.2152** is the 20% darker color. If you saturate the color by 10%, you get **11.3257, 0.2251, 0.2302**, and if you desaturate by 10%, it is **15.8533, 0.2579, 0.2716**.

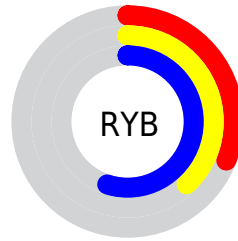
Distribution



Red (31%)

Green (41%)

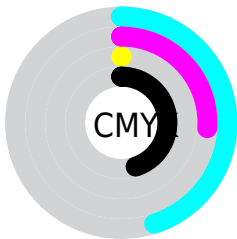
Blue (55%)



Red (31%)

Yellow (38%)

Blue (55%)

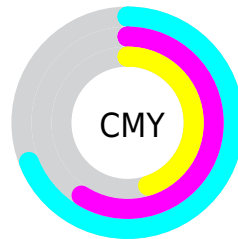


Cyan (45%)

Magenta (26%)

Yellow (0%)

Black (45%)



Cyan (69%)

Magenta (59%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4434, 0.2413, 0.2515 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 13.4434, 0.2413, 0.2515 by changing the saturation by 10% instead.

■ 13.4434, 0.2413,
0.2515

■ 13.4434, 0.2413,
0.2515

■ 213.7401, 0.2834,
0.2970

■ 7.7346, 0.2281,
0.2373

■ 32.0981, 0.2584,
0.2700

■ 3.9256, 0.2093,
0.2171

■ 45.8128, 0.2643,
0.2763

■ 1.6320, 0.1807,
0.1865

■ 62.9649, 0.2690,
0.2814

■ 0.3790, 0.1165,
0.1162

■ 83.9387, 0.2729,
0.2856

■ 0.0000, 0.0000,
0.0000

■ 109.1188, 0.2761,
0.2892

138.8895, 0.2789,

0.2922

173.6351, 0.2813,
0.2948

■ 13.4434, 0.2413,
0.2515

■ 13.4434, 0.2413,
0.2515

■ 11.3257, 0.2251,
0.2302

■ 15.8533, 0.2579,
0.2716

■ 9.4859, 0.2097,
0.2082

■ 18.5659, 0.2744,
0.2902

■ 7.9102, 0.1959,
0.1860

■ 21.5930, 0.2905,
0.3071

■ 6.5830, 0.1842,
0.1644

■ 24.9453, 0.3058,
0.3224

■ 5.4851, 0.1750,
0.1442

■ 28.6327, 0.3203,
0.3360

■ 4.9726, 0.1706,
0.1339

■ 32.6649, 0.3338,
0.3481

■ 37.0511, 0.3464,
0.3587

■ 41.8001, 0.3579,
0.3680

■ 46.9205, 0.3686,
0.3762

Harmonies

Analogous

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



13.4434, 0.2239, 0.2687



13.4434, 0.2413, 0.2515



13.4434, 0.2775, 0.2534

Triad

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



13.4434, 0.2413, 0.2515



13.4434, 0.4059, 0.3414



13.4434, 0.2939, 0.3979

Complementary

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



13.4434, 0.2413, 0.2515



18.4660, 0.3954, 0.3950

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.



13.4434, 0.3427, 0.4184



13.4434, 0.2413, 0.2515



13.4434, 0.4095, 0.3799

Square

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



13.4434, 0.2413, 0.2515



13.4434, 0.3744, 0.3032



13.4434, 0.3855, 0.4094



13.4434, 0.2522, 0.3536

Rectangle

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



13.4434, 0.2413, 0.2515



13.4434, 0.3092, 0.2641



13.4434, 0.3855, 0.4094



13.4434, 0.3100, 0.4080

Sweetspot

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



13.4439, 0.2413, 0.2515



39.4860, 0.2927, 0.3094



21.8984, 0.2753, 0.3830



8.5655, 0.2896, 0.3062



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.



13.4439, 0.2413, 0.2515



20.1199, 0.2243, 0.2292



9.2187, 0.2379, 0.1973



5.5980, 0.2990, 0.3158



4.5645, 0.1707, 0.1346



0.0854, 0.1936, 0.2168

Inverse Universe

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



12.1079, 0.3778, 0.2823



18.0437, 0.4015, 0.2723



24.8101, 0.3705, 0.4375



5.4587, 0.3221, 0.3199



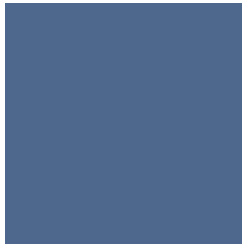
5.4471, 0.5263, 0.2673



0.0563, 0.4267, 0.2124

Previews

White Background



This preview shows how the Yxy color 13.4434, 0.2413, 0.2515 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 13.4434, 0.2413, 0.2515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

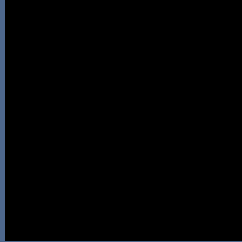
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4434, 0.2413, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 13.4434, 0.2413, 0.2515.

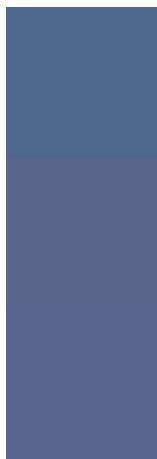


This preview shows how white text looks on a background with the Yxy color 13.4434, 0.2413, 0.2515.

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

13.4434, 0.2413, 0.2515

Protanopia

13.3956, 0.2556, 0.2512

Deuteranopia

13.3842, 0.2506, 0.2456



Tritanopia

13.3491, 0.2578, 0.3080

Trichromacy



Original Color

13.4434, 0.2413, 0.2515

Protanomaly

13.3746, 0.2495, 0.2505

Deuteranomaly

13.3870, 0.2467, 0.2468

Tritanomaly

13.4776, 0.2519, 0.2865

Monochromacy



Original Color

13.4434, 0.2413, 0.2515

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 13.4434, 0.2413, 0.2515 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(78, 104, 141)` looks like.

```
.text, #text, p{  
  color:rgb(78, 104, 141)  
}
```

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(78, 104, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 104, 141) }
```

Border

The CSS property to change the border of an element to Yxy 13.4434, 0.2413, 0.2515 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(78, 104, 141) }
```

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

```
.border{ border-color:rgb(78, 104, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 104, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 104, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 104, 141);  
box-shadow:4px 4px 4px 4px rgb(78, 104,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4434, 0.2413, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 104, 141) }
```

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

```
.background{ background-color: rgb(78, 104,  
141) }
```

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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