

Converting Colors

$Y_{xy}(15.0668, 0.2430, 0.2432)$

Have a look what the booklet for
Yxy(15.0668, 0.2430, 0.2432)
contains.

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Color

Yxy(15.0668, 0.2430, 0.2432)

Conversions

Conversions Part 1

Format	Color
Hex	586C98
RGB	88, 108, 152
RGB Percent	35%, 42%, 60%
CMY	0.6550, 0.5765, 0.4038
CMYK	0.42, 0.29, 0.00, 0.40
HSL	221°, 27%, 47%
HSV	221°, 42%, 60%
XYZ	15.0544, 15.0668, 31.8311
YIQ	107.0360, -26.0440, 9.4440

Conversions

Conversions Part 2

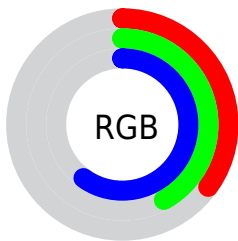
Format	Color
R _Y B	88, 103, 152
Decimal	5794968
CIE Lab	45.73, 4.47, -26.31
CIE LCh	46, 26.691, 279.639
Yxy	15.0668, 0.2430, 0.2432
Android (android.graphics.Color)	4283985048 (0xFF586C98)
YUV	107.0360, 22.1673, -16.6946
Hunter-Lab	38.8160, 1.3016, -21.4497

Details

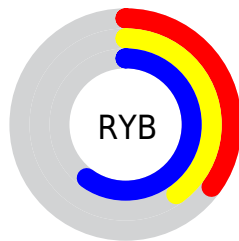
The Yxy color **15.0668, 0.2430, 0.2432** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.8844, 0.3861, 0.4016**, and the grayscale version is **14.6556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8280, 0.2593, 0.2629**, and **4.6704, 0.2133, 0.2084** is the 20% darker color. If you saturate the color by 10%, you get **12.3278, 0.2253, 0.2183**, and if you desaturate by 10%, it is **18.2259, 0.2607, 0.2667**.

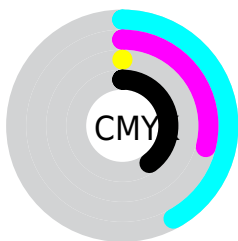
Distribution



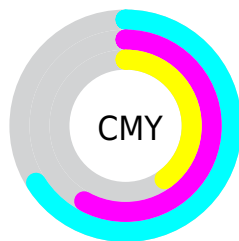
- Red (35%)
- Green (42%)
- Blue (60%)



- Red (35%)
- Yellow (40%)
- Blue (60%)



- Cyan (42%)
- Magenta (29%)
- Yellow (0%)
- Black (40%)



- Cyan (66%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0668, 0.2430, 0.2432 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 15.0668, 0.2430, 0.2432 by changing the saturation by 10% instead.

■ 15.0668, 0.2430,
0.2432

■ 15.0668, 0.2430,
0.2432

■ 223.7702, 0.2835,
0.2923

■ 8.8663, 0.2306,
0.2286

■ 34.9703, 0.2593,
0.2627

■ 4.6541, 0.2133,
0.2085

■ 49.4421, 0.2649,
0.2695

■ 2.0458, 0.1874,
0.1791

■ 67.4398, 0.2695,
0.2750

■ 0.6339, 0.1460,
0.1300

■ 89.3477, 0.2733,
0.2796

■ 0.0000, 0.0000,
0.0000

■ 115.5504, 0.2764,
0.2835

■ 146.4320, 0.2791,

0.2869

182.3772, 0.2815,
0.2897

■ 15.0668, 0.2430,
0.2432

■ 15.0668, 0.2430,
0.2432

■ 12.3278, 0.2253,
0.2183

■ 18.2259, 0.2607,
0.2667

■ 9.9881, 0.2083,
0.1926

■ 21.8209, 0.2779,
0.2884

■ 8.0277, 0.1928,
0.1670

■ 25.8692, 0.2943,
0.3080

■ 6.4238, 0.1795,
0.1426

■ 30.3864, 0.3096,
0.3255

■ 5.1507, 0.1691,
0.1206

■ 35.3875, 0.3238,
0.3411

■ 4.3438, 0.1626,
0.1053

■ 40.8866, 0.3367,
0.3547

■ 46.8974, 0.3485,
0.3667

■ 53.4330, 0.3592,
0.3772

■ 60.5059, 0.3689,
0.3863

Harmonies

Analogous

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



15.0668, 0.2187, 0.2560



15.0668, 0.2430, 0.2432



15.0668, 0.2866, 0.2504

Triad

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



15.0668, 0.2430, 0.2432



15.0668, 0.4193, 0.3529



15.0668, 0.2788, 0.3945

Complementary

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



15.0668, 0.2430, 0.2432



23.8844, 0.3861, 0.4016

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.



15.0668, 0.3315, 0.4253



15.0668, 0.2430, 0.2432



15.0668, 0.4146, 0.3936

Square

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



15.0668, 0.2430, 0.2432



15.0668, 0.3919, 0.3107



15.0668, 0.3815, 0.4223



15.0668, 0.2376, 0.3416

Rectangle

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



15.0668, 0.2430, 0.2432



15.0668, 0.3228, 0.2648



15.0668, 0.3815, 0.4223



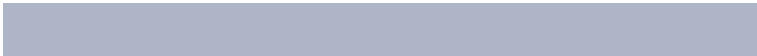
15.0668, 0.2957, 0.4083

Sweetspot

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



15.0674, 0.2430, 0.2432



46.1077, 0.2925, 0.3059



26.1973, 0.2718, 0.3671



9.8371, 0.2892, 0.3020



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



15.0674, 0.2430, 0.2432



22.4332, 0.2255, 0.2185



11.9370, 0.2498, 0.2073



6.3258, 0.2988, 0.3133



3.6912, 0.1629, 0.1065



0.1150, 0.1850, 0.1861

Inverse Universe

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



14.7364, 0.3837, 0.2953



22.3530, 0.4098, 0.2879



28.7690, 0.3606, 0.4349



6.2529, 0.3237, 0.3221



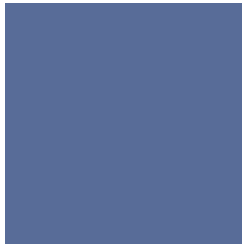
5.7779, 0.5662, 0.2893



0.0924, 0.4613, 0.2315

Previews

White Background



This preview shows how the Yxy color 15.0668, 0.2430, 0.2432 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 15.0668, 0.2430, 0.2432 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

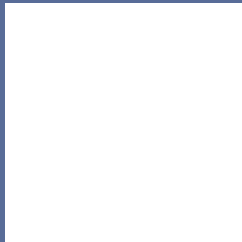
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.0668, 0.2430, 0.2432

Background



This preview shows how black text looks on a background with the Yxy color 15.0668, 0.2430, 0.2432.

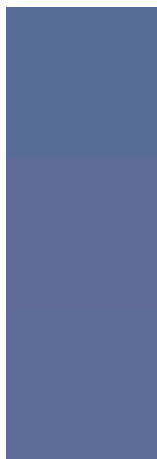


This preview shows how white text looks on a background with the Yxy color 15.0668, 0.2430, 0.2432.

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

15.0668, 0.2430, 0.2432

Protanopia

14.9753, 0.2502, 0.2424

Deuteranopia

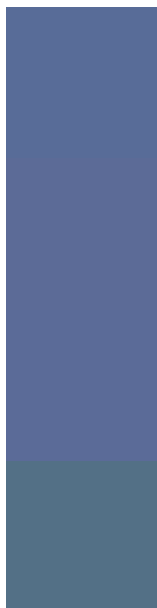
15.0577, 0.2466, 0.2421



Tritanopia

15.1702, 0.2630, 0.3092

Trichromacy



Original Color

15.0668, 0.2430, 0.2432

Protanomaly

15.0251, 0.2475, 0.2437

Deuteranomaly

15.0065, 0.2456, 0.2419

Tritanomaly

15.1486, 0.2551, 0.2828

Monochromacy



Original Color

15.0668, 0.2430, 0.2432

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6548, 0.2842, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0668, 0.2430, 0.2432 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(88, 108, 152)` looks like.

```
.text, #text, p{  
    color:rgb(88, 108, 152)  
}
```

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(88, 108, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 108, 152) }
```

Border

The CSS property to change the border of an element to Yxy 15.0668, 0.2430, 0.2432 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(88, 108, 152) }
```

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

```
.border{ border-color:rgb(88, 108, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 108, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 108, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 108, 152);  
box-shadow:4px 4px 4px 4px rgb(88, 108,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0668, 0.2430, 0.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 108, 152) }
```

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

```
.background{ background-color: rgb(88, 108,  
152) }
```

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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