

Converting Colors

$Y_{xy}(15.2423, 0.2372, 0.1995)$

Have a look what the booklet for
Yxy(15.2423, 0.2372, 0.1995)
contains.

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Color

$Y_{xy}(15.1920, 0.2371, 0.1990)$

Conversions

Conversions Part 1

Format	Color
Hex	6864B0
RGB	104, 100, 176
RGB Percent	41%, 39%, 69%
CMY	0.5922, 0.6078, 0.3098
CMYK	0.41, 0.43, 0.00, 0.31
HSL	243°, 32%, 54%
HSV	243°, 43%, 69%
XYZ	18.1006, 15.1920, 43.0491
YIQ	109.8600, -22.0120, 24.4840

Conversions

Conversions Part 2

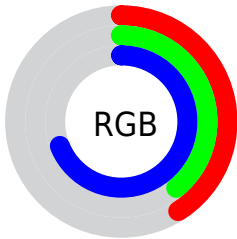
Format	Color
R_{YB}	104, 100, 176
Decimal	6841520
CIE _{Lab}	45.90, 20.87, -40.07
CIE _{LCh}	46, 45.183, 297.513
Yxy	15.1920, 0.2371, 0.1990
Android (android.graphics.Color)	4285031600 (0xFF6864B0)
YUV	109.8600, 32.6070, -5.1392
Hunter-Lab	38.9769, 14.6846, -38.2006

Details

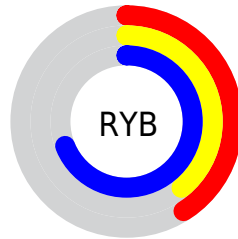
The Yxy color **15.1920, 0.2371, 0.1990** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **40.7409, 0.3720, 0.4349**, and the grayscale version is **15.4603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2285, 0.2547, 0.2258**, and **4.6801, 0.2057, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **11.2719, 0.2164, 0.1644**, and if you desaturate by 10%, it is **20.0398, 0.2573, 0.2332**.

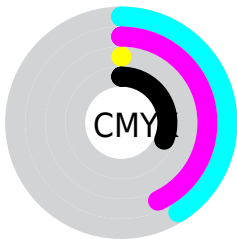
Distribution



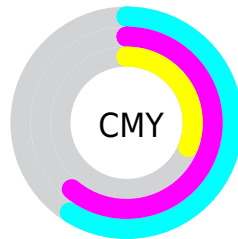
- Red (41%)
- Green (39%)
- Blue (69%)



- Red (41%)
- Yellow (39%)
- Blue (69%)



- Cyan (41%)
- Magenta (43%)
- Yellow (0%)
- Black (31%)





- Cyan (59%)
- Magenta (61%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1920, 0.2371, 0.1990 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 15.1920, 0.2371, 0.1990 by changing the saturation by 10% instead.


 15.1920, 0.2371,
0.1990


 15.1920, 0.2371,
0.1990


224.5254, 0.2812,
0.2693


 8.9542, 0.2239,
0.1803

 35.1897, 0.2547,
0.2256

 4.7114, 0.2058,
0.1560


 49.7183, 0.2609,
0.2353

 2.0789, 0.1798,
0.1238

 67.7795, 0.2659,
0.2433

 0.6527, 0.1414,
0.0793

 89.7574, 0.2700,
0.2502

 0.0000, 0.0250,
0.0000

116.0366, 0.2735,
0.2560

 0.0000, 0.0000,
0.0000

147.0014, 0.2764,

0.2610

183.0362, 0.2790,
0.2654

■ 15.1920, 0.2371,
0.1990

■ 15.1920, 0.2371,
0.1990

■ 11.2719, 0.2164,
0.1644

■ 20.0398, 0.2573,
0.2332

■ 8.2188, 0.1965,
0.1315

■ 25.8675, 0.2762,
0.2655

■ 5.9672, 0.1789,
0.1028

■ 32.7255, 0.2932,
0.2950

■ 4.4417, 0.1649,
0.0808

■ 40.6603, 0.3083,
0.3213

■ 3.5526, 0.1556,
0.0669

■ 49.7153, 0.3215,
0.3444

■ 3.1938, 0.1517,
0.0609

■ 59.9318, 0.3329,
0.3645

■ 71.3489, 0.3426,
0.3819

■ 84.0037, 0.3510,
0.3969

■ 95.7418, 0.3591,
0.4068

Harmonies

Analogous

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



15.1920, 0.1835, 0.1974



15.1920, 0.2371, 0.1990



15.1920, 0.3201, 0.2256

Triad

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



15.1920, 0.2371, 0.1990



15.1920, 0.4891, 0.3963



15.1920, 0.2117, 0.3884

Complementary

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



15.1920, 0.2371, 0.1990



40.7409, 0.3720, 0.4349

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.



15.1920, 0.2849, 0.4760



15.1920, 0.2371, 0.1990



15.1920, 0.4455, 0.4586

Square

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



15.1920, 0.2371, 0.1990



15.1920, 0.4800, 0.3319



15.1920, 0.3704, 0.4976



15.1920, 0.1694, 0.2904

Rectangle

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



15.1920, 0.2371, 0.1990



15.1920, 0.3837, 0.2551



15.1920, 0.3704, 0.4976



15.1920, 0.2333, 0.4221

Sweetspot

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



15.1925, 0.2371, 0.1990



59.2877, 0.2931, 0.2949



35.4233, 0.2541, 0.3228



12.2299, 0.2896, 0.2888



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



15.1925, 0.2371, 0.1990



20.6126, 0.2170, 0.1653



17.9834, 0.2773, 0.2121



8.2507, 0.2993, 0.3055



2.3516, 0.1520, 0.0611



0.0810, 0.1604, 0.0657

Inverse Universe

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



21.3245, 0.3223, 0.2298



33.2681, 0.3246, 0.2100



37.0534, 0.3356, 0.4492



8.6389, 0.3145, 0.3077



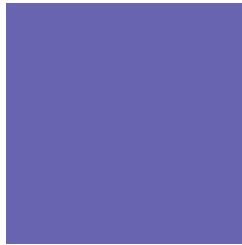
8.8163, 0.3343, 0.1615



0.2797, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 15.1920, 0.2371, 0.1990 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 15.1920, 0.2371, 0.1990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

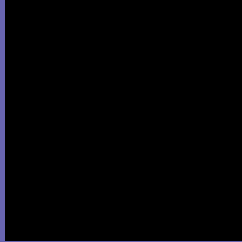
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.1920, 0.2371, 0.1990

Background



This preview shows how black text looks on a background with the Yxy color 15.1920, 0.2371, 0.1990.



This preview shows how white text looks on a background with the Yxy color 15.1920, 0.2371, 0.1990.

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

15.1920, 0.2371, 0.1990

Protanopia

15.2632, 0.2129, 0.1951

Deuteranopia

15.3329, 0.2145, 0.2094



Tritanopia

15.1425, 0.2753, 0.3096

Trichromacy



Original Color

15.1920, 0.2371, 0.1990

Protanomaly

15.2222, 0.2207, 0.1963

Deuteranomaly

15.2422, 0.2214, 0.2051

Tritanomaly

15.0811, 0.2599, 0.2632

Monochromacy



Original Color

15.1920, 0.2371, 0.1990

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.2174, 0.2817, 0.2741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1920, 0.2371, 0.1990 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(104, 100, 176)` looks like.

```
.text, #text, p{  
    color:rgb(104, 100, 176)  
}
```

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(104, 100, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 100, 176) }
```

Border

The CSS property to change the border of an element to Yxy 15.1920, 0.2371, 0.1990 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(104, 100, 176) }
```

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

```
.border{ border-color:rgb(104, 100, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 100, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 100, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 100, 176);  
box-shadow:4px 4px 4px 4px rgb(104, 100,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1920, 0.2371, 0.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 100, 176) }
```

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

```
.background{ background-color: rgb(104,  
100, 176) }
```

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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