

Converting Colors

$Y_{xy}(16.0154, 0.2403, 0.2146)$

Have a look what the booklet for
Yxy(16.0154, 0.2403, 0.2146)
contains.

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Color

Yxy(16.0731, 0.2406, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	666AAB
RGB	102, 106, 171
RGB Percent	40%, 42%, 67%
CMY	0.6002, 0.5842, 0.3295
CMYK	0.40, 0.38, 0.00, 0.33
HSL	236°, 29%, 54%
HSV	236°, 40%, 67%
XYZ	17.9786, 16.0731, 40.6722
YIQ	112.2140, -23.2490, 19.3670

Conversions

Conversions Part 2

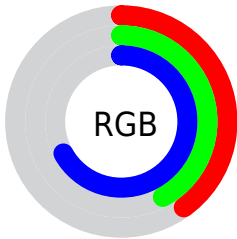
Format	Color
R_{YB}	102, 106, 171
Decimal	6711979
CIE _{Lab}	47.07, 15.16, -35.30
CIE _{LCh}	47, 38.415, 293.249
Yxy	16.0731, 0.2406, 0.2151
Android (android.graphics.Color)	4284902059 (0xFF666AAB)
YUV	112.2140, 28.9815, -8.9577
Hunter-Lab	40.0913, 9.8869, -32.0852

Details

The Yxy color **16.0731, 0.2406, 0.2151** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.2204, 0.3740, 0.4219**, and the grayscale version is **16.1862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7279, 0.2573, 0.2384**, and **5.1140, 0.2116, 0.1759** is the 20% darker color. If you saturate the color by 10%, you get **12.1643, 0.2199, 0.1816**, and if you desaturate by 10%, it is **20.8114, 0.2608, 0.2474**.

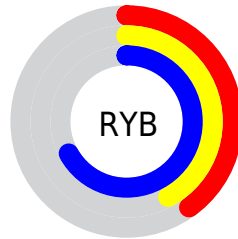
Distribution



Red (40%)

Green (42%)

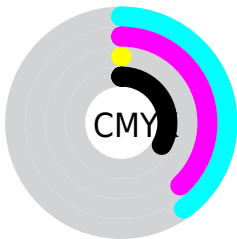
Blue (67%)



Red (40%)

Yellow (42%)

Blue (67%)

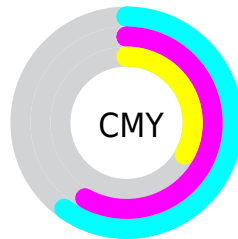


Cyan (40%)

Magenta (38%)

Yellow (0%)

Black (33%)



Cyan (60%)

Magenta (58%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0731, 0.2406, 0.2151 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 16.0731, 0.2406, 0.2151 by changing the saturation by 10% instead.

■ 16.0731, 0.2406,
0.2151

■ 16.0731, 0.2406,
0.2151

■ 229.7727, 0.2823,
0.2775

■ 9.5759, 0.2282,
0.1980

■ 36.7251, 0.2572,
0.2390

■ 5.1187, 0.2111,
0.1755

■ 51.6486, 0.2630,
0.2476

■ 2.3171, 0.1863,
0.1448

■ 70.1497, 0.2677,
0.2547

■ 0.7827, 0.1489,
0.1018

■ 92.6128, 0.2716,
0.2607

■ 0.0000, 0.0230,
0.0000

■ 119.4223, 0.2749,
0.2658

■ 0.0000, 0.0000,
0.0000

150.9624, 0.2778,

0.2702

187.6178, 0.2802,
0.2741

■ 16.0731, 0.2406,
0.2151

■ 16.0731, 0.2406,
0.2151

■ 12.1643, 0.2199,
0.1816

■ 20.8114, 0.2608,
0.2474

■ 9.0356, 0.1999,
0.1486

■ 26.4213, 0.2796,
0.2773

■ 6.6350, 0.1818,
0.1183

■ 32.9441, 0.2968,
0.3043

■ 4.9037, 0.1671,
0.0930

■ 40.4180, 0.3122,
0.3282

■ 3.7734, 0.1569,
0.0747

■ 48.8790, 0.3257,
0.3490

■ 3.1580, 0.1511,
0.0640

■ 58.3613, 0.3375,
0.3671

■ 68.8972, 0.3478,
0.3827

■ 80.5180, 0.3567,
0.3962

■ 93.0943, 0.3638,
0.4079

Harmonies

Analogous

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



16.0731, 0.1970, 0.2180



16.0731, 0.2406, 0.2151



16.0731, 0.3088, 0.2355

Triad

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



16.0731, 0.2406, 0.2151



16.0731, 0.4639, 0.3826



16.0731, 0.2356, 0.3902

Complementary

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



16.0731, 0.2406, 0.2151



37.2204, 0.3740, 0.4219

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.



16.0731, 0.3017, 0.4552



16.0731, 0.2406, 0.2151



16.0731, 0.4348, 0.4354

Square

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



16.0731, 0.2406, 0.2151



16.0731, 0.4473, 0.3263



16.0731, 0.3747, 0.4682



16.0731, 0.1935, 0.3089

Rectangle

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



16.0731, 0.2406, 0.2151



16.0731, 0.3615, 0.2599



16.0731, 0.3747, 0.4682



16.0731, 0.2557, 0.4161

Sweetspot

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



16.0737, 0.2406, 0.2151



56.7380, 0.2938, 0.2996



34.7072, 0.2612, 0.3363



12.3145, 0.2917, 0.2963



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.0737, 0.2406, 0.2151



22.7641, 0.2231, 0.1867



17.3282, 0.2711, 0.2176



7.8301, 0.2985, 0.3070



2.4088, 0.1513, 0.0647



0.0910, 0.1568, 0.0845

Inverse Universe

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



19.1906, 0.4064, 0.3231



29.2461, 0.4375, 0.3220



35.7451, 0.3422, 0.4376



8.0227, 0.3277, 0.3277



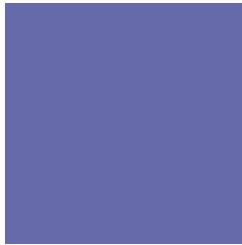
6.5462, 0.6322, 0.3256



0.1845, 0.5997, 0.3078

Previews

White Background



This preview shows how the Yxy color 16.0731, 0.2406, 0.2151 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 16.0731, 0.2406, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

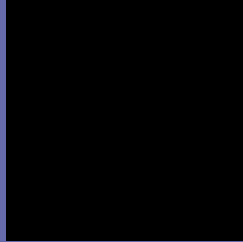
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0731, 0.2406, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 16.0731, 0.2406, 0.2151.

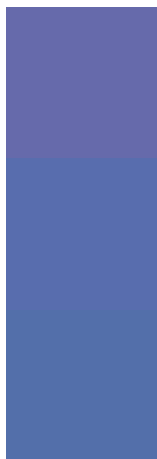


This preview shows how white text looks on a background with the Yxy color 16.0731, 0.2406, 0.2151.

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

16.0731, 0.2406, 0.2151

Protanopia

16.0680, 0.2271, 0.2130

Deuteranopia

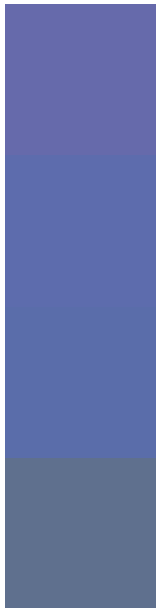
16.1102, 0.2265, 0.2210



Tritanopia

16.1956, 0.2730, 0.3101

Trichromacy



Original Color

16.0731, 0.2406, 0.2151

Protanomaly

16.0694, 0.2316, 0.2137

Deuteranomaly

16.0132, 0.2315, 0.2188

Tritanomaly

15.9742, 0.2599, 0.2697

Monochromacy



Original Color

16.0731, 0.2406, 0.2151

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.0335, 0.2832, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0731, 0.2406, 0.2151 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(102, 106, 171)` looks like.

```
.text, #text, p{  
    color:rgb(102, 106, 171)  
}
```

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(102, 106, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 106, 171) }
```

Border

The CSS property to change the border of an element to Yxy 16.0731, 0.2406, 0.2151 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(102, 106, 171) }
```

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

```
.border{ border-color:rgb(102, 106, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 106, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 106, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 106, 171);  
box-shadow:4px 4px 4px 4px rgb(102, 106,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0731, 0.2406, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 106, 171) }
```

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

```
.background{ background-color: rgb(102,  
106, 171) }
```

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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