

Converting Colors

$Yxy(16.3156, 0.2361, 0.2546)$

Have a look what the booklet for
Yxy(16.3156, 0.2361, 0.2546)
contains.

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Color

Yxy(16.1811, 0.2359, 0.2541)

Conversions

Conversions Part 1

Format	Color
Hex	4E7399
RGB	78, 115, 153
RGB Percent	31%, 45%, 60%
CMY	0.6942, 0.5490, 0.3999
CMYK	0.49, 0.25, 0.00, 0.40
HSL	210°, 32%, 45%
HSV	210°, 49%, 60%
XYZ	15.0221, 16.1811, 32.4768
YIQ	108.2690, -34.2500, 3.9740

Conversions

Conversions Part 2

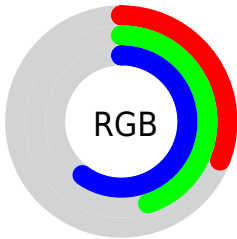
Format	Color
R_{YB}	78, 103, 153
Decimal	5141401
CIE _{Lab}	47.21, -2.13, -24.64
CIE _{LCh}	47, 24.736, 265.065
Yxy	16.1811, 0.2359, 0.2541
Android (android.graphics.Color)	4283331481 (0xFF4E7399)
YUV	108.2690, 22.0524, -26.5459
Hunter-Lab	40.2257, -3.7350, -19.7106

Details

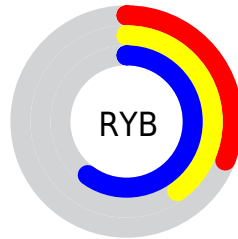
The Yxy color **16.1811, 0.2359, 0.2541** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.8134, 0.4110, 0.3923**, and the grayscale version is **15.0190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9677, 0.2537, 0.2723**, and **5.1442, 0.2042, 0.2218** is the 20% darker color. If you saturate the color by 10%, you get **13.9147, 0.2210, 0.2354**, and if you desaturate by 10%, it is **18.7478, 0.2516, 0.2719**.

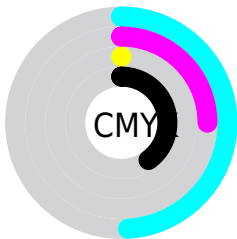
Distribution



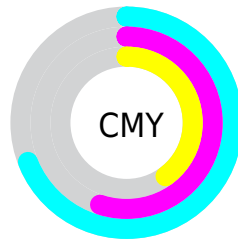
- Red (31%)
- Green (45%)
- Blue (60%)



- Red (31%)
- Yellow (40%)
- Blue (60%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (40%)



- Cyan (69%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1811, 0.2359, 0.2541 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 16.1811, 0.2359, 0.2541 by changing the saturation by 10% instead.

■ 16.1811, 0.2359,
0.2541

■ 16.1811, 0.2359,
0.2541

■ 230.4080, 0.2798,
0.2972

■ 9.6524, 0.2229,
0.2411

■ 36.9123, 0.2533,
0.2713

■ 5.1691, 0.2048,
0.2230

■ 51.8836, 0.2594,
0.2773

■ 2.3468, 0.1783,
0.1963

■ 70.4379, 0.2644,
0.2822

■ 0.7983, 0.1363,
0.1540

■ 92.9596, 0.2685,
0.2862

■ 0.0000, 0.0000,
0.0000

■ 119.8330, 0.2720,
0.2896

151.4427, 0.2750,

0.2925

188.1728, 0.2776,
0.2951

■ 16.1811, 0.2359,
0.2541

■ 16.1811, 0.2359,
0.2541

■ 13.9147, 0.2210,
0.2354

■ 18.7478, 0.2516,
0.2719

■ 11.9326, 0.2073,
0.2161

■ 21.6260, 0.2676,
0.2886

■ 10.2195, 0.1954,
0.1967

■ 24.8286, 0.2836,
0.3038

■ 8.7577, 0.1857,
0.1778

■ 28.3669, 0.2991,
0.3177

■ 7.5126, 0.1780,
0.1597

■ 32.2518, 0.3141,
0.3301

■ 7.4009, 0.1772,
0.1580

■ 36.4935, 0.3284,
0.3412

■ 41.1018, 0.3418,
0.3510

■ 46.0862, 0.3543,
0.3597

■ 51.4555, 0.3660,
0.3672

Harmonies

Analogous

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



16.1811, 0.2233, 0.2757



16.1811, 0.2359, 0.2541



16.1811, 0.2680, 0.2517

Triad

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



16.1811, 0.2359, 0.2541



16.1811, 0.4004, 0.3324



16.1811, 0.3050, 0.4047

Complementary

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



16.1811, 0.2359, 0.2541



19.8134, 0.4110, 0.3923

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.



16.1811, 0.3534, 0.4183



16.1811, 0.2359, 0.2541



16.1811, 0.4108, 0.3712

Square

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



16.1811, 0.2359, 0.2541



16.1811, 0.3639, 0.2953



16.1811, 0.3927, 0.4036



16.1811, 0.2609, 0.3648

Rectangle

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



16.1811, 0.2359, 0.2541



16.1811, 0.2979, 0.2600



16.1811, 0.3927, 0.4036



16.1811, 0.3213, 0.4126

Sweetspot

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



16.1817, 0.2359, 0.2541



46.7531, 0.2895, 0.3092



25.6571, 0.2772, 0.4027



10.0600, 0.2864, 0.3065



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.



16.1817, 0.2359, 0.2541



24.4885, 0.2194, 0.2332



9.3650, 0.2220, 0.1790



6.5044, 0.2989, 0.3174



6.1817, 0.1776, 0.1593



0.1650, 0.1987, 0.2353

Inverse Universe

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



13.4578, 0.3774, 0.2679



19.9725, 0.4001, 0.2561



30.1130, 0.3829, 0.4450



6.2709, 0.3210, 0.3181



6.0294, 0.4940, 0.2495



0.0975, 0.4071, 0.2016

Previews

White Background



This preview shows how the Yxy color 16.1811, 0.2359, 0.2541 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 16.1811, 0.2359, 0.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

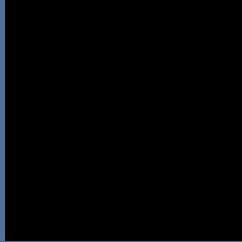
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1811, 0.2359, 0.2541

Background



This preview shows how black text looks on a background with the Yxy color 16.1811, 0.2359, 0.2541.

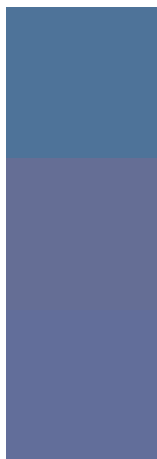


This preview shows how white text looks on a background with the Yxy color 16.1811, 0.2359, 0.2541.

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

16.1811, 0.2359, 0.2541

Protanopia

16.0885, 0.2593, 0.2548

Deuteranopia

16.0816, 0.2517, 0.2461



Tritanopia

16.0807, 0.2500, 0.3072

Trichromacy



Original Color

16.1811, 0.2359, 0.2541

Protanomaly

16.1175, 0.2508, 0.2556

Deuteranomaly

16.1456, 0.2455, 0.2486

Tritanomaly

16.2083, 0.2446, 0.2870

Monochromacy



Original Color

16.1811, 0.2359, 0.2541

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.3655, 0.2800, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1811, 0.2359, 0.2541 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, 115, 153)` looks like.

```
.text, #text, p{  
  color:rgb(78, 115, 153)  
}
```

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, 115, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 115, 153) }
```

Border

The CSS property to change the border of an element to Yxy 16.1811, 0.2359, 0.2541 is called "border". The border property can be set on classes, ids or directly on the HTML element.

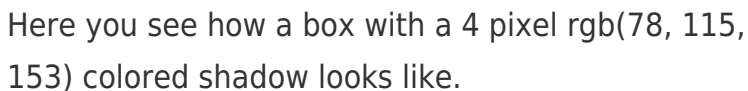
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 115, 153) }
```

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

```
.border{ border-color:rgb(78, 115, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(78, 115, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(78, 115, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(78, 115, 153); box-shadow:4px 4px 4px 4px rgb(78, 115, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1811, 0.2359, 0.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 115, 153) }
```

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

```
.background{ background-color: rgb(78, 115,  
153) }
```

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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