

Converting Colors

$Y_{xy}(15.9250, 0.2537, 0.2106)$

Have a look what the booklet for
Yxy(15.9250, 0.2537, 0.2106)
contains.

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Color

Yxy(15.9606, 0.2535, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	7465AB
RGB	116, 101, 171
RGB Percent	45%, 40%, 67%
CMY	0.5452, 0.6039, 0.3295
CMYK	0.32, 0.41, 0.00, 0.33
HSL	253°, 29%, 53%
HSV	253°, 41%, 67%
XYZ	19.2027, 15.9606, 40.5870
YIQ	113.4650, -13.5300, 24.9500

Conversions

Conversions Part 2

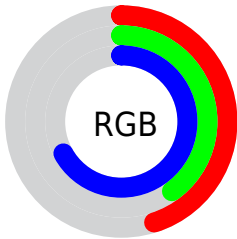
Format	Color
R _Y B	116, 101, 171
Decimal	7628203
CIE Lab	46.92, 22.17, -35.45
CIE LCh	47, 41.812, 302.023
Yxy	15.9606, 0.2535, 0.2107
Android (android.graphics.Color)	4285818283 (0xFF7465AB)
YUV	113.4650, 28.3648, 2.2232
Hunter-Lab	39.9507, 15.8841, -32.2688

Details

The Yxy color **15.9606, 0.2535, 0.2107** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.1286, 0.3577, 0.4336**, and the grayscale version is **16.5756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5486, 0.2675, 0.2347**, and **5.0702, 0.2287, 0.1713** is the 20% darker color. If you saturate the color by 10%, you get **12.1234, 0.2354, 0.1778**, and if you desaturate by 10%, it is **20.6230, 0.2705, 0.2430**.

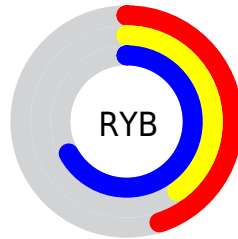
Distribution



Red (45%)

Green (40%)

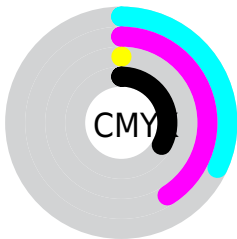
Blue (67%)



Red (45%)

Yellow (40%)

Blue (67%)

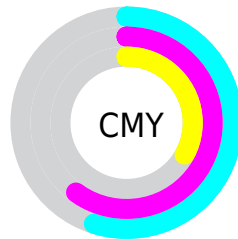


Cyan (32%)

Magenta (41%)

Yellow (0%)

Black (33%)



Cyan (55%)


Magenta (60%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9606, 0.2535, 0.2107 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 15.9606, 0.2535, 0.2107 by changing the saturation by 10% instead.


 15.9606, 0.2535,
0.2107


 15.9606, 0.2535,
0.2107


229.1091, 0.2884,
0.2748


 9.4963, 0.2428,
0.1934


 36.5298, 0.2676,
0.2350


 5.0663, 0.2279,
0.1707


 51.4034, 0.2725,
0.2439

 2.2862, 0.2058,
0.1401

 69.8490, 0.2764,
0.2512

 0.7664, 0.1715,
0.0977

 92.2509, 0.2796,
0.2574

 0.0000, 0.0767,
0.0000

118.9934, 0.2824,
0.2627

 0.0000, 0.0000,
0.0000

150.4610, 0.2847,

0.2673

187.0381, 0.2867,
0.2713

■ 15.9606, 0.2535,
0.2107

■ 15.9606, 0.2535,
0.2107

■ 12.1234, 0.2354,
0.1778

■ 20.6230, 0.2705,
0.2430

■ 9.0608, 0.2170,
0.1459

■ 26.1537, 0.2860,
0.2735

■ 6.7191, 0.1993,
0.1171

■ 32.5947, 0.2997,
0.3015

■ 5.0373, 0.1834,
0.0935

■ 39.9849, 0.3117,
0.3268

■ 3.9434, 0.1704,
0.0765

■ 48.3610, 0.3220,
0.3493

■ 3.3248, 0.1614,
0.0663

■ 57.7574, 0.3309,
0.3691

■ 68.2072, 0.3384,
0.3865

■ 79.7418, 0.3449,
0.4017

■ 92.3913, 0.3503,
0.4150

Harmonies

Analogous

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



15.9606, 0.1988, 0.2058



15.9606, 0.2535, 0.2107



15.9606, 0.3330, 0.2389

Triad

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



15.9606, 0.2535, 0.2107



15.9606, 0.4717, 0.4025



15.9606, 0.2124, 0.3691

Complementary

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



15.9606, 0.2535, 0.2107



37.1286, 0.3577, 0.4336

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.



15.9606, 0.2771, 0.4522



15.9606, 0.2535, 0.2107



15.9606, 0.4273, 0.4570

Square

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



15.9606, 0.2535, 0.2107



15.9606, 0.4702, 0.3422



15.9606, 0.3558, 0.4835



15.9606, 0.1771, 0.2836

Rectangle

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



15.9606, 0.2535, 0.2107



15.9606, 0.3904, 0.2682



15.9606, 0.3558, 0.4835



15.9606, 0.2311, 0.3998

Sweetspot

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



15.9612, 0.2535, 0.2107



56.8049, 0.2980, 0.2981



29.8170, 0.2539, 0.3056



12.3309, 0.2964, 0.2947



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.



15.9612, 0.2535, 0.2107



22.3750, 0.2374, 0.1812



18.7331, 0.2921, 0.2226



7.8367, 0.3017, 0.3058



2.5264, 0.1622, 0.0667



0.0933, 0.1919, 0.0831

Inverse Universe

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



20.3671, 0.3357, 0.2491



31.4534, 0.3423, 0.2327



34.1966, 0.3250, 0.4456



8.1183, 0.3169, 0.3113



7.8415, 0.3825, 0.1881



0.2254, 0.3606, 0.1760

Previews

White Background



This preview shows how the Yxy color 15.9606, 0.2535, 0.2107 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 15.9606, 0.2535, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

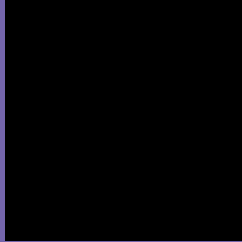
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9606, 0.2535, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 15.9606, 0.2535, 0.2107.

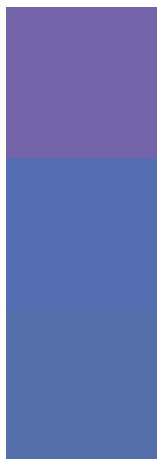


This preview shows how white text looks on a background with the Yxy color 15.9606, 0.2535, 0.2107.

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

15.9606, 0.2535, 0.2107

Protanopia

16.0829, 0.2222, 0.2071

Deuteranopia

16.1183, 0.2279, 0.2226



Tritanopia

16.0330, 0.2943, 0.3107

Trichromacy



Original Color

15.9606, 0.2535, 0.2107

Protanomaly

15.8900, 0.2322, 0.2083

Deuteranomaly

15.9045, 0.2361, 0.2166

Tritanomaly

15.9042, 0.2789, 0.2696

Monochromacy



Original Color

15.9606, 0.2535, 0.2107

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2359, 0.2893, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9606, 0.2535, 0.2107 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(116, 101, 171)` looks like.

```
.text, #text, p{  
    color:rgb(116, 101, 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(116, 101, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 101, 171) }
```

Border

The CSS property to change the border of an element to Yxy 15.9606, 0.2535, 0.2107 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(116, 101, 171) }
```

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

```
.border{ border-color:rgb(116, 101, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 101, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 101, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 101, 171);  
box-shadow:4px 4px 4px 4px rgb(116, 101,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9606, 0.2535, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 101, 171) }
```

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

```
.background{ background-color: rgb(116,  
101, 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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