

Converting Colors

$Y_{xy}(12.6717, 0.2432, 0.1887)$

Have a look what the booklet for
Yxy(12.6717, 0.2432, 0.1887)
contains.

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Color

Yxy(12.6706, 0.2432, 0.1887)

Conversions

Conversions Part 1

Format	Color
Hex	6A57A7
RGB	106, 87, 167
RGB Percent	42%, 34%, 65%
CMY	0.5842, 0.6589, 0.3451
CMYK	0.37, 0.48, 0.00, 0.35
HSL	254°, 32%, 50%
HSV	254°, 48%, 65%
XYZ	16.3301, 12.6706, 38.1461
YIQ	101.8010, -14.3560, 28.9080

Conversions

Conversions Part 2

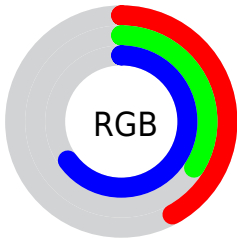
Format	Color
R _Y B	106, 87, 167
Decimal	6969255
CIE Lab	42.26, 26.83, -40.54
CIE LCh	42, 48.614, 303.499
Yxy	12.6706, 0.2432, 0.1887
Android (android.graphics.Color)	4285159335 (0xFF6A57A7)
YUV	101.8010, 32.1431, 3.6825
Hunter-Lab	35.5958, 19.5969, -38.6209

Details

The Yxy color **12.6706, 0.2432, 0.1887** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **34.6192, 0.3622, 0.4520**, and the grayscale version is **13.1510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6926, 0.2603, 0.2173**, and **3.5851, 0.2118, 0.1419** is the 20% darker color. If you saturate the color by 10%, you get **9.5500, 0.2252, 0.1567**, and if you desaturate by 10%, it is **16.5334, 0.2605, 0.2212**.

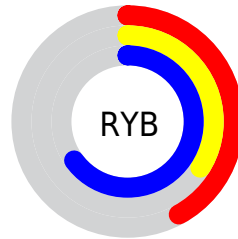
Distribution



Red (42%)

Green (34%)

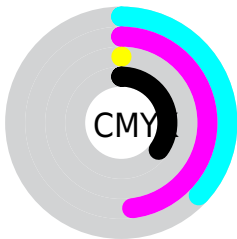
Blue (65%)



Red (42%)

Yellow (34%)

Blue (65%)

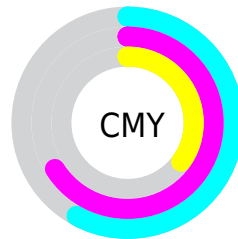


Cyan (37%)

Magenta (48%)

Yellow (0%)

Black (35%)



Cyan (58%)

Magenta (66%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.6706, 0.2432, 0.1887 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 12.6706, 0.2432, 0.1887 by changing the saturation by 10% instead.

12.6706, 0.2432,
0.1887

12.6706, 0.2432,
0.1887

208.7957, 0.2853,
0.2653

7.2021, 0.2299,
0.1681

30.7107, 0.2605,
0.2179

3.5888, 0.2111,
0.1413

44.0511, 0.2664,
0.2284

1.4463, 0.1833,
0.1061

60.7843, 0.2711,
0.2372

0.2505, 0.1435,
0.0402

81.2947, 0.2750,
0.2446

0.0000, 0.0000,
0.0000

105.9666, 0.2782,
0.2510

135.1845, 0.2810,

0.2564

169.3327, 0.2833,
0.2612

■ 12.6706, 0.2432,
0.1887

■ 12.6706, 0.2432,
0.1887

■ 9.5500, 0.2252,
0.1567

■ 16.5334, 0.2605,
0.2212

■ 7.1213, 0.2074,
0.1270

■ 21.1813, 0.2766,
0.2528

■ 5.3301, 0.1910,
0.1017

■ 26.6555, 0.2911,
0.2824

■ 4.1131, 0.1769,
0.0826

■ 32.9942, 0.3038,
0.3095

■ 3.3667, 0.1659,
0.0699

■ 40.2327, 0.3149,
0.3339

■ 3.2363, 0.1639,
0.0676

■ 48.4047, 0.3244,
0.3555

■ 57.5420, 0.3325,
0.3746

■ 67.6749, 0.3395,
0.3914

■ 78.8324, 0.3453,
0.4061

Harmonies

Analogous

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



12.6706, 0.1778, 0.1806



12.6706, 0.2432, 0.1887



12.6706, 0.3417, 0.2226

Triad

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



12.6706, 0.2432, 0.1887



12.6706, 0.5042, 0.4137



12.6706, 0.1857, 0.3721

Complementary

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



12.6706, 0.2432, 0.1887



34.6192, 0.3622, 0.4520

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.



12.6706, 0.2605, 0.4850



12.6706, 0.2432, 0.1887



12.6706, 0.4436, 0.4837

Square

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



12.6706, 0.2432, 0.1887



12.6706, 0.5104, 0.3427



12.6706, 0.3549, 0.5240



12.6706, 0.1485, 0.2649

Rectangle

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



12.6706, 0.2432, 0.1887



12.6706, 0.4143, 0.2571



12.6706, 0.3549, 0.5240



12.6706, 0.2069, 0.4132

Sweetspot

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



12.6711, 0.2432, 0.1887



51.7055, 0.2959, 0.2926



26.1007, 0.2445, 0.2962



11.0588, 0.2932, 0.2868



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.6711, 0.2432, 0.1887



17.0431, 0.2250, 0.1563



15.6854, 0.2907, 0.2056



7.3835, 0.3022, 0.3059



2.4958, 0.1646, 0.0681



0.0833, 0.1985, 0.0867

Inverse Universe

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



17.1675, 0.3435, 0.2389



26.1804, 0.3523, 0.2224



31.5357, 0.3236, 0.4689



7.6356, 0.3172, 0.3120



7.4721, 0.3906, 0.1925



0.1890, 0.3634, 0.1776

Previews

White Background



This preview shows how the Yxy color 12.6706, 0.2432, 0.1887 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 12.6706, 0.2432, 0.1887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

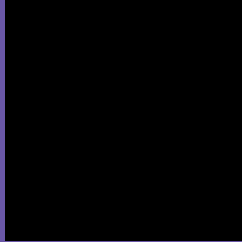
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6706, 0.2432, 0.1887

Background



This preview shows how black text looks on a background with the Yxy color 12.6706, 0.2432, 0.1887.



This preview shows how white text looks on a background with the Yxy color 12.6706, 0.2432, 0.1887.

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

12.6706, 0.2432, 0.1887

Protanopia

12.7805, 0.2027, 0.1817

Deuteranopia

12.7245, 0.2084, 0.2030



Tritanopia

12.7386, 0.2912, 0.3110

Trichromacy



Original Color

12.6706, 0.2432, 0.1887

Protanomaly

12.5081, 0.2148, 0.1830

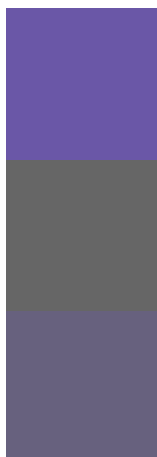
Deuteranomaly

12.4375, 0.2181, 0.1957

Tritanomaly

12.5741, 0.2722, 0.2583

Monochromacy



Original Color

12.6706, 0.2432, 0.1887

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9393, 0.2835, 0.2691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6706, 0.2432, 0.1887 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(106, 87, 167)` looks like.

```
.text, #text, p{  
    color:rgb(106, 87, 167)  
}
```

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(106, 87, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 87, 167) }
```

Border

The CSS property to change the border of an element to Yxy 12.6706, 0.2432, 0.1887 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(106, 87, 167) }
```

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

```
.border{ border-color:rgb(106, 87, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 87, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 87, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 87, 167);  
box-shadow:4px 4px 4px 4px rgb(106, 87,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6706, 0.2432, 0.1887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 87, 167) }
```

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

```
.background{ background-color: rgb(106, 87,  
167) }
```

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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