

Converting Colors

$Y_{xy}(16.6929, 0.2661, 0.2294)$

Have a look what the booklet for
Yxy(16.6929, 0.2661, 0.2294)
contains.

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Color

Yxy(16.7406, 0.2658, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	7869A3
RGB	120, 105, 163
RGB Percent	47%, 41%, 64%
CMY	0.5295, 0.5882, 0.3608
CMYK	0.26, 0.36, 0.00, 0.36
HSL	255°, 24%, 53%
HSV	255°, 36%, 64%
XYZ	19.4054, 16.7406, 36.8614
YIQ	116.0970, -9.6780, 21.2180

Conversions

Conversions Part 2

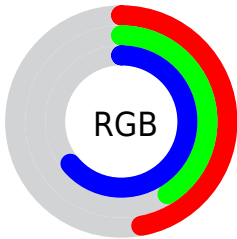
Format	Color
R_{YB}	120, 105, 163
Decimal	7891363
CIE _{Lab}	47.93, 18.85, -29.16
CIE _{LCh}	48, 34.726, 302.878
Yxy	16.7406, 0.2658, 0.2293
Android (android.graphics.Color)	4286081443 (0xFF7869A3)
YUV	116.0970, 23.1232, 3.4229
Hunter-Lab	40.9153, 13.0576, -24.7749

Details

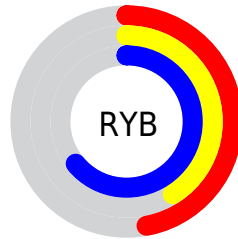
The Yxy color **16.7406, 0.2658, 0.2293** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.5171, 0.3494, 0.4202**, and the grayscale version is **17.4259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7231, 0.2768, 0.2500**, and **5.4759, 0.2457, 0.1948** is the 20% darker color. If you saturate the color by 10%, you get **12.9218, 0.2492, 0.1972**, and if you desaturate by 10%, it is **21.3065, 0.2811, 0.2602**.

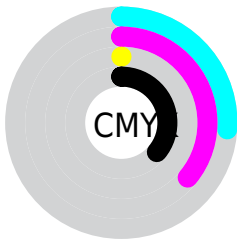
Distribution



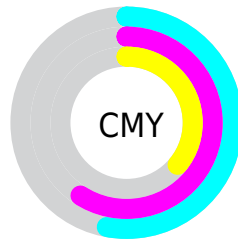
- Red (47%)
- Green (41%)
- Blue (64%)



- Red (47%)
- Yellow (41%)
- Blue (64%)



- Cyan (26%)
- Magenta (36%)
- Yellow (0%)
- Black (36%)



- Cyan (53%)
- Magenta (59%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7406, 0.2658, 0.2293 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 16.7406, 0.2658, 0.2293 by changing the saturation by 10% instead.

■ 16.7406, 0.2658,
0.2293

■ 16.7406, 0.2658,
0.2293

■ 233.6731, 0.2935,
0.2839

■ 10.0497, 0.2572,
0.2142

■ 37.8792, 0.2770,
0.2503

■ 5.4319, 0.2450,
0.1939

■ 53.0958, 0.2809,
0.2578

■ 2.5029, 0.2267,
0.1658

■ 71.9230, 0.2840,
0.2640

■ 0.8781, 0.1969,
0.1252

■ 94.7453, 0.2866,
0.2693

■ 0.0000, 0.1059,
0.0000

■ 121.9471, 0.2887,
0.2737

■ 0.0000, 0.0000,
0.0000

153.9127, 0.2905,

0.2776

191.0265, 0.2921,
0.2809

■ 16.7406, 0.2658,
0.2293

■ 16.7406, 0.2658,
0.2293

■ 12.9218, 0.2492,
0.1972

■ 21.3065, 0.2811,
0.2602

■ 9.8075, 0.2316,
0.1652

■ 26.6549, 0.2948,
0.2891

■ 7.3538, 0.2140,
0.1350

■ 32.8214, 0.3067,
0.3155

■ 5.5112, 0.1973,
0.1087

■ 39.8386, 0.3171,
0.3391

■ 4.2226, 0.1826,
0.0880

■ 47.7377, 0.3260,
0.3602

■ 3.4148, 0.1706,
0.0739

■ 56.5479, 0.3336,
0.3788

■ 3.1377, 0.1661,
0.0689

■ 66.2972, 0.3400,
0.3951

■ 77.0126, 0.3455,
0.4095

■ 88.7196, 0.3501,
0.4220

Harmonies

Analogous

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



16.7406, 0.2180, 0.2251



16.7406, 0.2658, 0.2293



16.7406, 0.3322, 0.2541

Triad

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



16.7406, 0.2658, 0.2293



16.7406, 0.4443, 0.3953



16.7406, 0.2287, 0.3602

Complementary

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



16.7406, 0.2658, 0.2293



33.5171, 0.3494, 0.4202

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.



16.7406, 0.2832, 0.4257



16.7406, 0.2658, 0.2293



16.7406, 0.4085, 0.4380

Square

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



16.7406, 0.2658, 0.2293



16.7406, 0.4424, 0.3442



16.7406, 0.3491, 0.4542



16.7406, 0.1982, 0.2917

Rectangle

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



16.7406, 0.2658, 0.2293



16.7406, 0.3786, 0.2797



16.7406, 0.3491, 0.4542



16.7406, 0.2446, 0.3842

Sweetspot

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



16.7413, 0.2658, 0.2293



52.3787, 0.3002, 0.3010



26.9881, 0.2604, 0.3041



11.4521, 0.2986, 0.2975



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.7413, 0.2658, 0.2293



24.2630, 0.2522, 0.2029



19.0936, 0.2991, 0.2383



6.9442, 0.3025, 0.3060



2.4576, 0.1669, 0.0693



0.0729, 0.2045, 0.0900

Inverse Universe

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



20.0325, 0.3352, 0.2632



31.1710, 0.3420, 0.2483



31.1750, 0.3211, 0.4291



7.1708, 0.3175, 0.3125



7.1313, 0.3974, 0.1963



0.1569, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 16.7406, 0.2658, 0.2293 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 16.7406, 0.2658, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

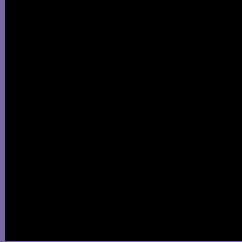
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.7406, 0.2658, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 16.7406, 0.2658, 0.2293.

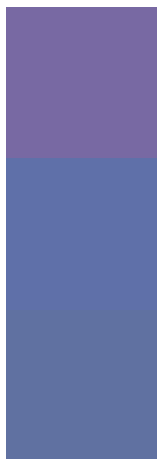


This preview shows how white text looks on a background with the Yxy color 16.7406, 0.2658, 0.2293.

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

16.7406, 0.2658, 0.2293

Protanopia

16.8858, 0.2375, 0.2269

Deuteranopia

16.8703, 0.2448, 0.2407



Tritanopia

16.6601, 0.3007, 0.3112

Trichromacy



Original Color

16.7406, 0.2658, 0.2293

Protanomaly

16.6704, 0.2465, 0.2264

Deuteranomaly

16.7638, 0.2519, 0.2356

Tritanomaly

16.6028, 0.2873, 0.2780

Monochromacy



Original Color

16.7406, 0.2658, 0.2293

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.0637, 0.2943, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7406, 0.2658, 0.2293 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(120, 105, 163)` looks like.

```
.text, #text, p{  
    color:rgb(120, 105, 163)  
}
```

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(120, 105, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 105, 163) }
```

Border

The CSS property to change the border of an element to Yxy 16.7406, 0.2658, 0.2293 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(120, 105, 163) }
```

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

```
.border{ border-color:rgb(120, 105, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 105, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 105, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 105, 163); box-shadow:4px 4px 4px 4px rgb(120, 105, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7406, 0.2658, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 105, 163) }
```

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

```
.background{ background-color: rgb(120,  
105, 163) }
```

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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