

Converting Colors

$Y_{xy}(16.6677, 0.2601, 0.2169)$

Have a look what the booklet for
Yxy(16.6677, 0.2601, 0.2169)
contains.

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Color

Yxy(16.6677, 0.2601, 0.2169)

Conversions

Conversions Part 1

Format	Color
Hex	7967AA
RGB	121, 103, 170
RGB Percent	47%, 40%, 67%
CMY	0.5256, 0.5960, 0.3334
CMYK	0.29, 0.39, 0.00, 0.33
HSL	256°, 28%, 54%
HSV	256°, 39%, 67%
XYZ	19.9874, 16.6677, 40.1900
YIQ	116.0200, -10.7790, 24.6530

Conversions

Conversions Part 2

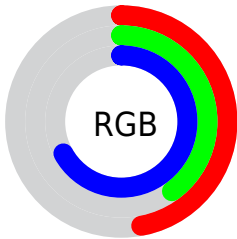
Format	Color
R_{YB}	121, 103, 170
Decimal	7956394
CIE _{Lab}	47.84, 22.17, -33.40
CIE _{LCh}	48, 40.086, 303.571
Yxy	16.6677, 0.2601, 0.2169
Android (android.graphics.Color)	4286146474 (0xFF7967AA)
YUV	116.0200, 26.6121, 4.3675
Hunter-Lab	40.8261, 15.9434, -29.7879

Details

The Yxy color **16.6677, 0.2601, 0.2169** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.4050, 0.3525, 0.4310**, and the grayscale version is **17.3905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7161, 0.2725, 0.2392**, and **5.4148, 0.2379, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **12.7816, 0.2432, 0.1846**, and if you desaturate by 10%, it is **21.3586, 0.2758, 0.2484**.

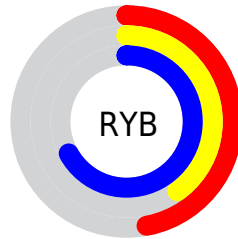
Distribution



Red (47%)

Green (40%)

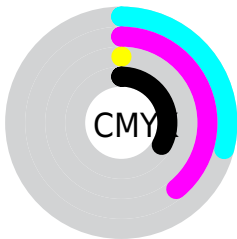
Blue (67%)



Red (47%)

Yellow (40%)

Blue (67%)

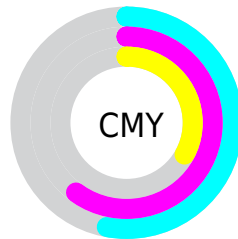


Cyan (29%)

Magenta (39%)

Yellow (0%)

Black (33%)



Cyan (53%)


Magenta (60%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6677, 0.2601, 0.2169 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 16.6677, 0.2601, 0.2169 by changing the saturation by 10% instead.


 16.6677, 0.2601,
0.2169


 16.6677, 0.2601,
0.2169


233.2501, 0.2911,
0.2775

 9.9979, 0.2506,
0.2005


 37.7535, 0.2726,
0.2399


 5.3975, 0.2372,
0.1789


 52.9383, 0.2770,
0.2483

 2.4823, 0.2173,
0.1496

 71.7302, 0.2805,
0.2552

 0.8678, 0.1858,
0.1088

 94.5136, 0.2834,
0.2611

 0.0000, 0.1093,
0.0000

121.6729, 0.2858,
0.2661

 0.0000, 0.0000,
0.0000

153.5925, 0.2878,

0.2704

190.6568, 0.2896,
0.2742

■ 16.6677, 0.2601,
0.2169

■ 16.6677, 0.2601,
0.2169

■ 12.7816, 0.2432,
0.1846

■ 21.3586, 0.2758,
0.2484

■ 9.6519, 0.2256,
0.1532

■ 26.8948, 0.2900,
0.2782

■ 7.2281, 0.2083,
0.1244


■ 33.3165, 0.3025,
0.3056


■ 5.4525, 0.1923,
0.1001


■ 40.6607, 0.3133,
0.3304

■ 4.2579, 0.1785,
0.0821

■ 48.9624, 0.3226,
0.3525

 3.5125, 0.1675,
0.0700

 58.2545, 0.3306,
0.3721

 3.4731, 0.1669,
0.0693

 68.5684, 0.3373,
0.3894

 79.9344, 0.3431,
0.4045

 91.7364, 0.3481,
0.4169

Harmonies

Analogous

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



16.6677, 0.2062, 0.2111



16.6677, 0.2601, 0.2169



16.6677, 0.3364, 0.2450

Triad

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



16.6677, 0.2601, 0.2169



16.6677, 0.4626, 0.4031



16.6677, 0.2151, 0.3626

Complementary

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



16.6677, 0.2601, 0.2169



36.4050, 0.3525, 0.4310

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.



16.6677, 0.2758, 0.4414



16.6677, 0.2601, 0.2169



16.6677, 0.4193, 0.4534

Square

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



16.6677, 0.2601, 0.2169



16.6677, 0.4630, 0.3454



16.6677, 0.3507, 0.4747



16.6677, 0.1825, 0.2831

Rectangle

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



16.6677, 0.2601, 0.2169



16.6677, 0.3903, 0.2737



16.6677, 0.3507, 0.4747



16.6677, 0.2327, 0.3913

Sweetspot

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



16.6683, 0.2601, 0.2169



57.0060, 0.2991, 0.2982



28.2857, 0.2548, 0.2990



12.3797, 0.2976, 0.2948



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.



16.6683, 0.2601, 0.2169



24.1928, 0.2459, 0.1896



19.5112, 0.2984, 0.2283



7.3942, 0.3026, 0.3060



2.5792, 0.1679, 0.0698



0.0872, 0.2039, 0.0897

Inverse Universe

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



20.5167, 0.3393, 0.2569



32.2544, 0.3470, 0.2421



33.6229, 0.3206, 0.4421



7.6318, 0.3177, 0.3126



7.3745, 0.4011, 0.1983



0.1872, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 16.6677, 0.2601, 0.2169 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 16.6677, 0.2601, 0.2169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

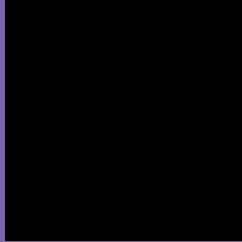
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.6677, 0.2601, 0.2169

Background



This preview shows how black text looks on a background with the Yxy color 16.6677, 0.2601, 0.2169.

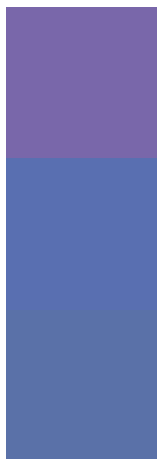


This preview shows how white text looks on a background with the Yxy color 16.6677, 0.2601, 0.2169.

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

16.6677, 0.2601, 0.2169

Protanopia

16.6671, 0.2266, 0.2129

Deuteranopia

16.8111, 0.2342, 0.2291



Tritanopia

16.6601, 0.3007, 0.3112

Trichromacy



Original Color

16.6677, 0.2601, 0.2169

Protanomaly

16.5478, 0.2380, 0.2144

Deuteranomaly

16.5686, 0.2421, 0.2228

Tritanomaly

16.4462, 0.2850, 0.2726

Monochromacy



Original Color

16.6677, 0.2601, 0.2169

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.9980, 0.2921, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6677, 0.2601, 0.2169 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(121, 103, 170)` looks like.

```
.text, #text, p{  
    color:rgb(121, 103, 170)  
}
```

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(121, 103, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 103, 170) }
```

Border

The CSS property to change the border of an element to Yxy 16.6677, 0.2601, 0.2169 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(121, 103, 170) }
```

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

```
.border{ border-color:rgb(121, 103, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 103, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 103, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 103, 170);  
box-shadow:4px 4px 4px 4px rgb(121, 103,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6677, 0.2601, 0.2169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 103, 170) }
```

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

```
.background{ background-color: rgb(121,  
103, 170) }
```

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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