

Converting Colors

$Y_{xy}(16.1552, 0.3221, 0.2777)$

Have a look what the booklet for
Yxy(16.1552, 0.3221, 0.2777)
contains.

Yxy(16.0700, 0.3221, 0.2772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.0700, 0.3221, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	876582
RGB	135, 101, 130
RGB Percent	53%, 40%, 51%
CMY	0.4706, 0.6039, 0.4903
CMYK	0.00, 0.25, 0.04, 0.47
HSL	309°, 14%, 46%
HSV	309°, 25%, 53%
XYZ	18.6730, 16.0700, 23.2296
YIQ	114.4720, 10.9550, 16.2270

Conversions

Conversions Part 2

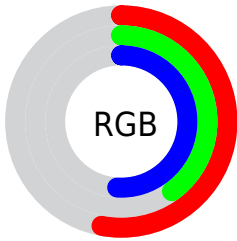
Format	Color
R_{YB}	135, 101, 130
Decimal	8873346
CIE _{Lab}	47.07, 18.83, -10.77
CIE _{LCh}	47, 21.693, 330.228
Yxy	16.0700, 0.3221, 0.2772
Android (android.graphics.Color)	4287063426 (0xFF876582)
YUV	114.4720, 7.6553, 18.0031
Hunter-Lab	40.0874, 12.9935, -6.2958

Details

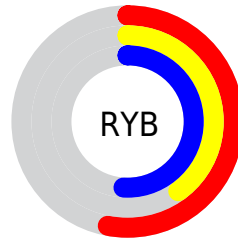
The Yxy color **16.0700, 0.3221, 0.2772** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.1351, 0.3046, 0.3870**, and the grayscale version is **16.9507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6942, 0.3205, 0.2885**, and **5.1637, 0.3251, 0.2563** is the 20% darker color. If you saturate the color by 10%, you get **13.6078, 0.3266, 0.2564**, and if you desaturate by 10%, it is **18.9653, 0.3180, 0.2982**.

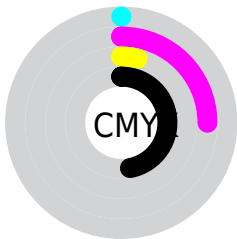
Distribution



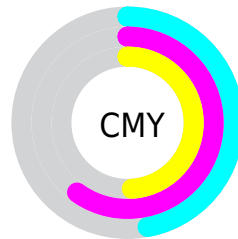
- Red (53%)
- Green (40%)
- Blue (51%)



- Red (53%)
- Yellow (40%)
- Blue (51%)



- Cyan (0%)
- Magenta (25%)
- Yellow (4%)
- Black (47%)





- Cyan (47%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0700, 0.3221, 0.2772 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 16.0700, 0.3221, 0.2772 by changing the saturation by 10% instead.


 16.0700, 0.3221,
0.2772

 16.0700, 0.3221,
0.2772


229.7544, 0.3171,
0.3066


 9.5737, 0.3235,
0.2684


 36.7197, 0.3202,
0.2889


 5.1172, 0.3253,
0.2561


 51.6419, 0.3195,
0.2929

 2.3162, 0.3277,
0.2376

 70.1414, 0.3189,
0.2962

 0.7823, 0.3312,
0.2060

 92.6028, 0.3184,
0.2990

 0.0000, 0.2743,
0.0000

119.4104, 0.3180,
0.3013

 0.0000, 0.0000,
0.0000

150.9486, 0.3176,

0.3033

187.6018, 0.3173,
0.3051

■ 16.0700, 0.3221,
0.2772

■ 16.0700, 0.3221,
0.2772

■ 13.6078, 0.3266,
0.2564

■ 18.9653, 0.3180,
0.2982

■ 11.5556, 0.3316,
0.2364

■ 22.3111, 0.3144,
0.3187

■ 9.8913, 0.3369,
0.2182

■ 26.1265, 0.3112,
0.3384

■ 8.5898, 0.3423,
0.2025

■ 30.4290, 0.3085,
0.3570

■ 7.6234, 0.3479,
0.1902

■ 35.2348, 0.3062,
0.3744

■ 6.9599, 0.3533,
0.1819

■ 40.5598, 0.3042,
0.3904

■ 6.5537, 0.3584,
0.1777

■ 46.4190, 0.3025,
0.4052

■ 6.3901, 0.3609,
0.1762

■ 52.8267, 0.3010,
0.4187

■ 59.7968, 0.2998,
0.4311

Harmonies

Analogous

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



16.0700, 0.2797, 0.2615



16.0700, 0.3221, 0.2772



16.0700, 0.3645, 0.3046

Triad

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



16.0700, 0.3221, 0.2772



16.0700, 0.3786, 0.3987



16.0700, 0.2384, 0.3107

Complementary

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



16.0700, 0.3221, 0.2772



21.1351, 0.3046, 0.3870

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.



16.0700, 0.2615, 0.3531



16.0700, 0.3221, 0.2772



16.0700, 0.3420, 0.4069

Square

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



16.0700, 0.3221, 0.2772



16.0700, 0.3980, 0.3727



16.0700, 0.2990, 0.3902



16.0700, 0.2339, 0.2778

Rectangle

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



16.0700, 0.3221, 0.2772



16.0700, 0.3859, 0.3269



16.0700, 0.2990, 0.3902



16.0700, 0.2441, 0.3244

Sweetspot

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



16.0707, 0.3221, 0.2772



38.0716, 0.3154, 0.3126



14.0942, 0.2769, 0.2617



8.6247, 0.3159, 0.3098



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.0707, 0.3221, 0.2772



26.2643, 0.3245, 0.2657



15.6624, 0.3450, 0.3061



4.7513, 0.3158, 0.3107



5.8944, 0.3608, 0.1761



0.0212, 0.3391, 0.1642

Inverse Universe

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



16.0707, 0.3221, 0.2772



26.2643, 0.3245, 0.2657



21.5124, 0.2886, 0.3532



4.7513, 0.3158, 0.3107



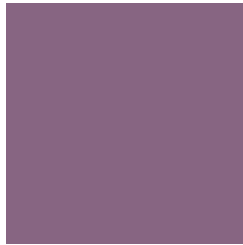
5.8944, 0.3608, 0.1761



0.0212, 0.3391, 0.1642

Previews

White Background



This preview shows how the Yxy color 16.0700, 0.3221, 0.2772 looks on a white background.

Color Contrast Check

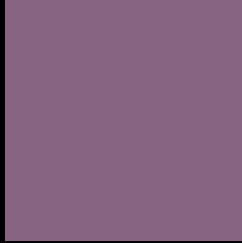
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0700, 0.3221, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

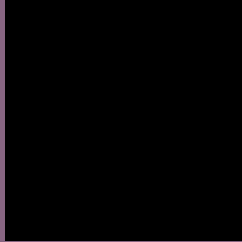
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0700, 0.3221, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 16.0700, 0.3221, 0.2772.



This preview shows how white text looks on a background with the Yxy color 16.0700, 0.3221, 0.2772.

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

16.0700, 0.3221, 0.2772

Protanopia

16.2392, 0.2767, 0.2784

Deuteranopia

16.1406, 0.2975, 0.2922



Tritanopia

16.0570, 0.3433, 0.3142

Trichromacy



Original Color

16.0700, 0.3221, 0.2772

Protanomaly

16.0185, 0.2930, 0.2778

Deuteranomaly

16.0306, 0.3054, 0.2856

Tritanomaly

16.1007, 0.3353, 0.2997

Monochromacy



Original Color

16.0700, 0.3221, 0.2772

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4309, 0.3164, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0700, 0.3221, 0.2772 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(135, 101, 130)` looks like.

```
.text, #text, p{  
    color:rgb(135, 101, 130)  
}
```

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(135, 101, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 101, 130) }
```

Border

The CSS property to change the border of an element to Yxy 16.0700, 0.3221, 0.2772 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(135, 101, 130) }
```

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

```
.border{ border-color:rgb(135, 101, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 101, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 101, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 101, 130);  
box-shadow:4px 4px 4px 4px rgb(135, 101,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0700, 0.3221, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 101, 130) }
```

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

```
.background{ background-color: rgb(135,  
101, 130) }
```

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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