

Converting Colors

$Y_{xy}(17.5573, 0.3162, 0.2570)$

Have a look what the booklet for
Yxy(17.5573, 0.3162, 0.2570)
contains.

Yxy(17.5668, 0.3161, 0.2578)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5668, 0.3161, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	916691
RGB	145, 102, 145
RGB Percent	57%, 40%, 57%
CMY	0.4313, 0.6000, 0.4315
CMYK	0.00, 0.30, 0.00, 0.43
HSL	300°, 17%, 48%
HSV	300°, 30%, 57%
XYZ	21.5394, 17.5668, 29.0350
YIQ	119.7590, 11.8250, 22.4890

Conversions

Conversions Part 2

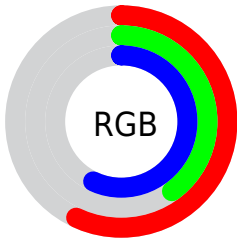
Format	Color
R_{YB}	145, 102, 145
Decimal	9528977
CIE _{Lab}	48.97, 24.81, -16.72
CIE _{LCh}	49, 29.918, 326.023
Yxy	17.5668, 0.3161, 0.2578
Android (android.graphics.Color)	4287719057 (0xFF916691)
YUV	119.7590, 12.4438, 22.1364
Hunter-Lab	41.9128, 18.3858, -11.7341

Details

The Yxy color **17.5668, 0.3161, 0.2578** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.0394, 0.3088, 0.4122**, and the grayscale version is **18.6586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3768, 0.3153, 0.2734**, and **5.8262, 0.3173, 0.2323** is the 20% darker color. If you saturate the color by 10%, you get **14.9619, 0.3172, 0.2345**, and if you desaturate by 10%, it is **20.6719, 0.3150, 0.2819**.

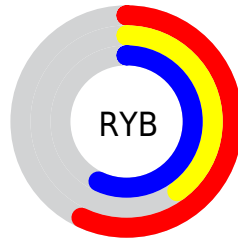
Distribution



Red (57%)

Green (40%)

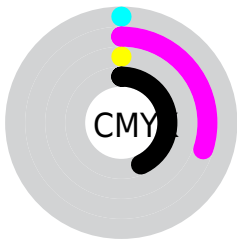
Blue (57%)



Red (57%)

Yellow (40%)

Blue (57%)

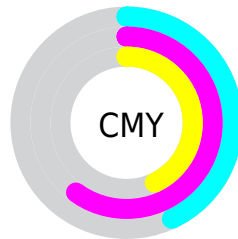


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (43%)



Cyan (43%)


Magenta (60%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5668, 0.3161, 0.2578 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 17.5668, 0.3161, 0.2578 by changing the saturation by 10% instead.


 17.5668, 0.3161,
0.2578


 17.5668, 0.3161,
0.2578


238.4178, 0.3150,
0.2970


 10.6394, 0.3161,
0.2467


 39.2978, 0.3159,
0.2730


 5.8249, 0.3158,
0.2315


 54.8701, 0.3157,
0.2784

 2.7389, 0.3147,
0.2096

 74.0930, 0.3156,
0.2829

 0.9970, 0.3115,
0.1759

 97.3507, 0.3154,
0.2866

 0.0000, 0.3219,
0.0000

125.0276, 0.3153,
0.2898

 0.0000, 0.0000,
0.0000

157.5082, 0.3152,

0.2926

195.1768, 0.3151,
0.2949

■ 17.5668, 0.3161,
0.2578

■ 17.5668, 0.3161,
0.2578

■ 14.9619, 0.3172,
0.2345

■ 20.6719, 0.3150,
0.2819

■ 12.8288, 0.3182,
0.2130

■ 24.2989, 0.3138,
0.3061

■ 11.1401, 0.3192,
0.1940

■ 28.4711, 0.3127,
0.3298

■ 9.8643, 0.3199,
0.1784

■ 33.2097, 0.3116,
0.3524

■ 8.9660, 0.3205,
0.1667

■ 38.5349, 0.3106,
0.3737

■ 8.4040, 0.3209,
0.1590

■ 44.4656, 0.3097,
0.3935

■ 8.0729, 0.3211,
0.1544

■ 51.0201, 0.3088,
0.4117

■ 8.0622, 0.3211,
0.1543

■ 58.2159, 0.3080,
0.4283

■ 66.0698, 0.3073,
0.4433

Harmonies

Analogous

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



17.5668, 0.2617, 0.2400



17.5668, 0.3161, 0.2578



17.5668, 0.3746, 0.2908

Triad

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



17.5668, 0.3161, 0.2578



17.5668, 0.4046, 0.4164



17.5668, 0.2180, 0.3105

Complementary

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



17.5668, 0.3161, 0.2578



24.0394, 0.3088, 0.4122

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.



17.5668, 0.2504, 0.3694



17.5668, 0.3161, 0.2578



17.5668, 0.3577, 0.4346

Square

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



17.5668, 0.3161, 0.2578



17.5668, 0.4277, 0.3781



17.5668, 0.3011, 0.4184



17.5668, 0.2093, 0.2649

Rectangle

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



17.5668, 0.3161, 0.2578



17.5668, 0.4059, 0.3185



17.5668, 0.3011, 0.4184



17.5668, 0.2263, 0.3295

Sweetspot

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



17.5676, 0.3161, 0.2578



43.8385, 0.3137, 0.3073



14.3726, 0.2624, 0.2458



9.5488, 0.3139, 0.3041



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



17.5676, 0.3161, 0.2578



28.0578, 0.3169, 0.2412



16.9667, 0.3447, 0.2919



5.5110, 0.3137, 0.3073



6.9139, 0.3211, 0.1543



0.0661, 0.3210, 0.1542

Inverse Universe

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



17.5676, 0.3161, 0.2578



28.0578, 0.3169, 0.2412



24.5222, 0.2895, 0.3695



5.5110, 0.3137, 0.3073



6.9139, 0.3211, 0.1543



0.0661, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 17.5668, 0.3161, 0.2578 looks on a white background.

Color Contrast Check

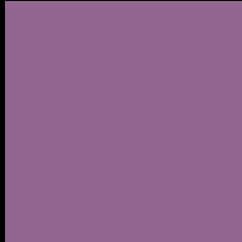
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5668, 0.3161, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

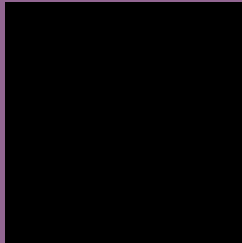
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5668, 0.3161, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 17.5668, 0.3161, 0.2578.



This preview shows how white text looks on a background with the Yxy color 17.5668, 0.3161, 0.2578.

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

17.5668, 0.3161, 0.2578

Protanopia

17.6922, 0.2601, 0.2558

Deuteranopia

17.6626, 0.2813, 0.2753



Tritanopia

17.6488, 0.3479, 0.3149

Trichromacy



Original Color

17.5668, 0.3161, 0.2578

Protanomaly

17.3793, 0.2784, 0.2559

Deuteranomaly

17.6011, 0.2930, 0.2684

Tritanomaly

17.5912, 0.3349, 0.2925

Monochromacy



Original Color

17.5668, 0.3161, 0.2578

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.0624, 0.3141, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5668, 0.3161, 0.2578 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(145, 102, 145)` looks like.

```
.text, #text, p{  
    color:rgb(145, 102, 145)  
}
```

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(145, 102, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 102, 145) }
```

Border

The CSS property to change the border of an element to Yxy 17.5668, 0.3161, 0.2578 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(145, 102, 145) }
```

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

```
.border{ border-color:rgb(145, 102, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 102, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 102, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 102, 145);  
box-shadow:4px 4px 4px 4px rgb(145, 102,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5668, 0.3161, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 102, 145) }
```

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

```
.background{ background-color: rgb(145,  
102, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor