

Converting Colors

$Y_{xy}(18.7452, 0.3154, 0.2847)$

Have a look what the booklet for
Yxy(18.7452, 0.3154, 0.2847)
contains.

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Color

Yxy(18.7978, 0.3160, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	8A7089
RGB	138, 112, 137
RGB Percent	54%, 44%, 54%
CMY	0.4588, 0.5608, 0.4627
CMYK	0.00, 0.19, 0.01, 0.46
HSL	302°, 10%, 49%
HSV	302°, 19%, 54%
XYZ	20.7914, 18.7978, 26.2064
YIQ	122.6240, 7.4710, 13.2870

Conversions

Conversions Part 2

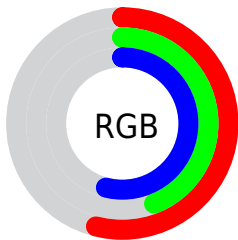
Format	Color
R_{YB}	138, 112, 137
Decimal	9072777
CIE _{Lab}	50.45, 14.85, -9.84
CIE _{LCh}	50, 17.810, 326.466
Yxy	18.7978, 0.3160, 0.2857
Android (android.graphics.Color)	4287262857 (0xFF8A7089)
YUV	122.6240, 7.0874, 13.4848
Hunter-Lab	43.3564, 9.7252, -5.4878

Details

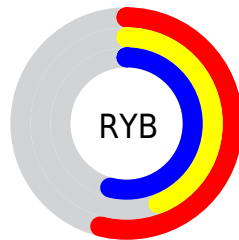
The Yxy color $18.7978, 0.3160, 0.2857$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $22.8129, 0.3094, 0.3765$, and the grayscale version is $19.6521, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.4751, 0.3161, 0.2959$, and $6.4296, 0.3175, 0.2694$ is the 20% darker color. If you saturate the color by 10%, you get $15.9682, 0.3179, 0.2624$, and if you desaturate by 10%, it is $22.0958, 0.3142, 0.3090$.

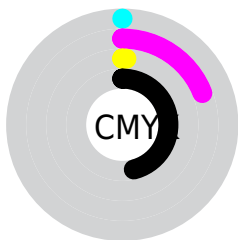
Distribution



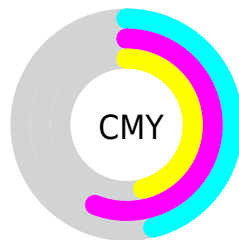
- Red (54%)
- Green (44%)
- Blue (54%)



- Red (54%)
- Yellow (44%)
- Blue (54%)



- Cyan (0%)
- Magenta (19%)
- Yellow (1%)
- Black (46%)





- Cyan (46%)
- Magenta (56%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7978, 0.3160, 0.2857 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 18.7978, 0.3160, 0.2857 by changing the saturation by 10% instead.


 18.7978, 0.3160,
0.2857

 18.7978, 0.3160,
0.2857


245.3302, 0.3144,
0.3099


 11.5243, 0.3163,
0.2786


 41.3921, 0.3155,
0.2952


 6.4206, 0.3167,
0.2689


 57.4818, 0.3152,
0.2985

 3.1025, 0.3170,
0.2544

 77.2788, 0.3151,
0.3013

 1.1855, 0.3170,
0.2310

 101.1678, 0.3149,
0.3036

 0.0498, 0.3410,
0.0414

129.5330, 0.3148,
0.3055

 0.0000, 0.0000,
0.0000

162.7589, 0.3146,

0.3072

201.2298, 0.3145,
0.3086

■ 18.7978, 0.3160,
0.2857

■ 18.7978, 0.3160,
0.2857

■ 15.9682, 0.3179,
0.2624

■ 22.0958, 0.3142,
0.3090

■ 13.5835, 0.3199,
0.2397

■ 25.8797, 0.3125,
0.3316

■ 11.6215, 0.3219,
0.2186

■ 30.1690, 0.3110,
0.3532

■ 10.0576, 0.3238,
0.1998

■ 34.9812, 0.3096,
0.3734

■ 8.8641, 0.3257,
0.1841

■ 40.3334, 0.3084,
0.3923

■ 8.0104, 0.3274,
0.1723

■ 46.2415, 0.3073,
0.4096

■ 7.4603, 0.3289,
0.1645

■ 52.7210, 0.3064,
0.4254

■ 7.1276, 0.3302,
0.1598

■ 59.7868, 0.3055,
0.4398

■ 7.0911, 0.3303,
0.1593

■ 67.4530, 0.3048,
0.4529

Harmonies

Analogous

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



18.7978, 0.2833, 0.2746



18.7978, 0.3160, 0.2857



18.7978, 0.3494, 0.3068

Triad

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



18.7978, 0.3160, 0.2857



18.7978, 0.3672, 0.3820



18.7978, 0.2556, 0.3193

Complementary

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



18.7978, 0.3160, 0.2857



22.8129, 0.3094, 0.3765

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.



18.7978, 0.2759, 0.3519



18.7978, 0.3160, 0.2857



18.7978, 0.3402, 0.3894

Square

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



18.7978, 0.3160, 0.2857



18.7978, 0.3797, 0.3610



18.7978, 0.3067, 0.3785



18.7978, 0.2499, 0.2920

Rectangle

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



18.7978, 0.3160, 0.2857



18.7978, 0.3669, 0.3245



18.7978, 0.3067, 0.3785



18.7978, 0.2609, 0.3301

Sweetspot

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



18.7986, 0.3160, 0.2857



40.6703, 0.3137, 0.3152



16.9258, 0.2839, 0.2797



9.0447, 0.3138, 0.3139



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.



18.7986, 0.3160, 0.2857



30.7149, 0.3169, 0.2748



18.4505, 0.3320, 0.3075



5.1258, 0.3143, 0.3082



6.5023, 0.3303, 0.1593



0.0437, 0.3252, 0.1565

Inverse Universe

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



18.7986, 0.3160, 0.2857



30.7149, 0.3169, 0.2748



23.1240, 0.2969, 0.3515



5.1258, 0.3143, 0.3082



6.5023, 0.3303, 0.1593



0.0437, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 18.7978, 0.3160, 0.2857 looks on a white background.

Color Contrast Check

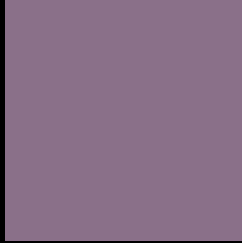
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.7978, 0.3160, 0.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

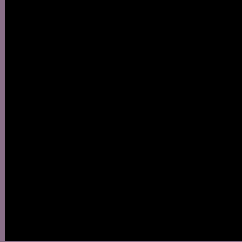
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7978, 0.3160, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 18.7978, 0.3160, 0.2857.



This preview shows how white text looks on a background with the Yxy color 18.7978, 0.3160, 0.2857.

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

18.7978, 0.3160, 0.2857

Protanopia

18.8596, 0.2840, 0.2867

Deuteranopia

18.7852, 0.2996, 0.2944



Tritanopia

18.6989, 0.3305, 0.3129

Trichromacy



Original Color

18.7978, 0.3160, 0.2857

Protanomaly

18.6693, 0.2952, 0.2856

Deuteranomaly

18.7062, 0.3057, 0.2914

Tritanomaly

18.6871, 0.3257, 0.3025

Monochromacy



Original Color

18.7978, 0.3160, 0.2857

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.3414, 0.3135, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7978, 0.3160, 0.2857 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(138, 112, 137)` looks like.

```
.text, #text, p{  
    color:rgb(138, 112, 137)  
}
```

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(138, 112, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 112, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.7978, 0.3160, 0.2857 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(138, 112, 137) }
```

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

```
.border{ border-color:rgb(138, 112, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 112, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 112, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 112, 137);  
box-shadow:4px 4px 4px 4px rgb(138, 112,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7978, 0.3160, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 112, 137) }
```

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

```
.background{ background-color: rgb(138,  
112, 137) }
```

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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