

Converting Colors

$Y_{xy}(18.2359, 0.2783, 0.1954)$

Have a look what the booklet for
Yxy(18.2359, 0.2783, 0.1954)
contains.

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Color

Yxy(18.3656, 0.2788, 0.1961)

Conversions

Conversions Part 1

Format	Color
Hex	995EBB
RGB	153, 94, 187
RGB Percent	60%, 37%, 73%
CMY	0.3999, 0.6314, 0.2667
CMYK	0.18, 0.50, 0.00, 0.27
HSL	278°, 41%, 55%
HSV	278°, 50%, 73%
XYZ	26.1108, 18.3656, 49.1779
YIQ	122.2430, 5.3110, 41.4310

Conversions

Conversions Part 2

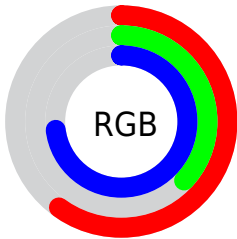
Format	Color
R _Y B	153, 94, 187
Decimal	10051259
CIE Lab	49.94, 40.83, -39.77
CIE LCh	50, 56.992, 315.753
Yxy	18.3656, 0.2788, 0.1961
Android (android.graphics.Color)	4288241339 (0xFF995EBB)
YUV	122.2430, 31.9252, 26.9739
Hunter-Lab	42.8551, 33.7603, -38.0389

Details

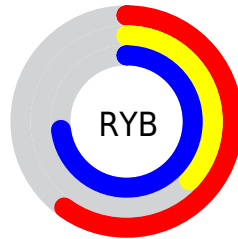
The Yxy color **18.3656, 0.2788, 0.1961** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **40.9324, 0.3313, 0.4727**, and the grayscale version is **19.4386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6447, 0.2872, 0.2207**, and **6.1475, 0.2618, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **14.7882, 0.2695, 0.1703**, and if you desaturate by 10%, it is **22.7880, 0.2874, 0.2235**.

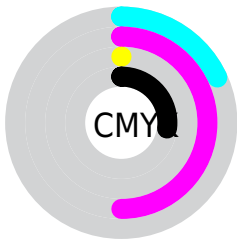
Distribution



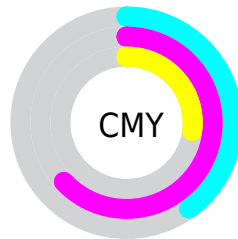
- Red (60%)
- Green (37%)
- Blue (73%)



- Red (60%)
- Yellow (37%)
- Blue (73%)



- Cyan (18%)
- Magenta (50%)
- Yellow (0%)
- Black (27%)





- Cyan (40%)
- Magenta (63%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3656, 0.2788, 0.1961 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 18.3656, 0.2788, 0.1961 by changing the saturation by 10% instead.


 18.3656, 0.2788,
0.1961


 18.3656, 0.2788,
0.1961


242.9238, 0.3000,
0.2645


 11.2128, 0.2720,
0.1790


 40.6593, 0.2876,
0.2211


 6.2101, 0.2623,
0.1573


 56.5690, 0.2906,
0.2305

 2.9733, 0.2479,
0.1293

 76.1665, 0.2929,
0.2384

 1.1178, 0.2247,
0.0929

 99.8361, 0.2949,
0.2451

 0.0000, 0.1944,
0.0000

127.9622, 0.2965,
0.2510

 0.0000, 0.0000,
0.0000

160.9292, 0.2978,

0.2560

199.1216, 0.2990,
0.2605

■ 18.3656, 0.2788,
0.1961

■ 18.3656, 0.2788,
0.1961

■ 14.7882, 0.2695,
0.1703

■ 22.7880, 0.2874,
0.2235

■ 11.9938, 0.2597,
0.1475

■ 28.1071, 0.2952,
0.2514

■ 9.9152, 0.2498,
0.1286


■ 34.3730, 0.3020,
0.2788

■ 8.4723, 0.2402,
0.1146

■ 41.6312, 0.3079,
0.3050

■ 7.5105, 0.2311,
0.1048

■ 49.9244, 0.3128,
0.3296

 7.4868, 0.2309,
0.1046

 59.2927, 0.3170,
0.3524

 69.7740, 0.3204,
0.3731

 81.4045, 0.3231,
0.3919

 89.4791, 0.3263,
0.4021

Harmonies

Analogous

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



18.3656, 0.1968, 0.1766



18.3656, 0.2788, 0.1961



18.3656, 0.3890, 0.2402

Triad

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



18.3656, 0.2788, 0.1961



18.3656, 0.4889, 0.4452



18.3656, 0.1613, 0.3230

Complementary

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



18.3656, 0.2788, 0.1961



40.9324, 0.3313, 0.4727

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.



18.3656, 0.2228, 0.4483



18.3656, 0.2788, 0.1961



18.3656, 0.4111, 0.5117

Square

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



18.3656, 0.2788, 0.1961



18.3656, 0.5225, 0.3711



18.3656, 0.3148, 0.5274



18.3656, 0.1394, 0.2305

Rectangle

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



18.3656, 0.2788, 0.1961



18.3656, 0.4591, 0.2799



18.3656, 0.3148, 0.5274



18.3656, 0.1774, 0.3638

Sweetspot

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



18.3663, 0.2788, 0.1961



67.1802, 0.3048, 0.2908



21.4301, 0.2298, 0.2310



14.2012, 0.3035, 0.2851



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



18.3663, 0.2788, 0.1961



25.7947, 0.2683, 0.1673



21.6477, 0.3330, 0.2239



9.5173, 0.3081, 0.3060



5.2009, 0.2319, 0.1051



0.2396, 0.2536, 0.1171

Inverse Universe

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



20.1263, 0.3981, 0.2822



29.6545, 0.4293, 0.2739



38.9658, 0.2980, 0.4643



9.5924, 0.3233, 0.3206



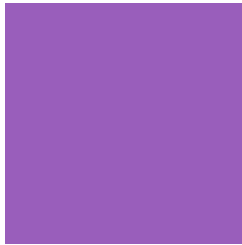
7.5823, 0.5488, 0.2797



0.3097, 0.4825, 0.2432

Previews

White Background



This preview shows how the Yxy color 18.3656, 0.2788, 0.1961 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 18.3656, 0.2788, 0.1961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

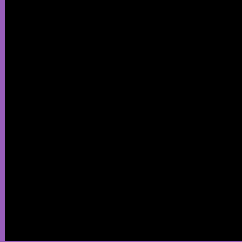
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3656, 0.2788, 0.1961

Background



This preview shows how black text looks on a background with the Yxy color 18.3656, 0.2788, 0.1961.



This preview shows how white text looks on a background with the Yxy color 18.3656, 0.2788, 0.1961.

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

18.3656, 0.2788, 0.1961

Protanopia

18.6155, 0.2049, 0.1847

Deuteranopia

18.6458, 0.2255, 0.2205



Tritanopia

18.2346, 0.3446, 0.3133

Trichromacy



Original Color

18.3656, 0.2788, 0.1961

Protanomaly

17.8985, 0.2240, 0.1855

Deuteranomaly

18.0573, 0.2412, 0.2083

Tritanomaly

18.0252, 0.3184, 0.2628

Monochromacy



Original Color

18.3656, 0.2788, 0.1961

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.6502, 0.2993, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3656, 0.2788, 0.1961 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(153, 94, 187)` looks like.

```
.text, #text, p{  
    color:rgb(153, 94, 187)  
}
```

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(153, 94, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 94, 187) }
```

Border

The CSS property to change the border of an element to Yxy 18.3656, 0.2788, 0.1961 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(153, 94, 187) }
```

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

```
.border{ border-color:rgb(153, 94, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 94, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 94, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 94, 187);  
box-shadow:4px 4px 4px 4px rgb(153, 94,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3656, 0.2788, 0.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 94, 187) }
```

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

```
.background{ background-color: rgb(153, 94,  
187) }
```

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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