

Converting Colors

$Y_{xy}(19.9847, 0.3277, 0.2675)$

Have a look what the booklet for
Yxy(19.9847, 0.3277, 0.2675)
contains.

Yxy(19.9998, 0.3284, 0.2677)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9998, 0.3284, 0.2677)

Conversions

Conversions Part 1

Format	Color
Hex	9D6C93
RGB	157, 108, 147
RGB Percent	62%, 42%, 58%
CMY	0.3843, 0.5765, 0.4235
CMYK	0.00, 0.31, 0.06, 0.38
HSL	312°, 20%, 52%
HSV	312°, 31%, 62%
XYZ	24.5347, 19.9998, 30.1753
YIQ	127.0970, 16.6850, 22.5170

Conversions

Conversions Part 2

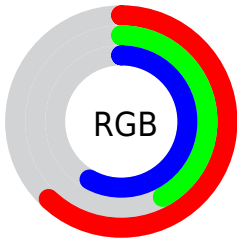
Format	Color
R _Y B	157, 108, 147
Decimal	10316947
CIE Lab	51.84, 25.96, -13.43
CIE LCh	52, 29.229, 332.637
Yxy	19.9998, 0.3284, 0.2677
Android (android.graphics.Color)	4288507027 (0xFF9D6C93)
YUV	127.0970, 9.8122, 26.2249
Hunter-Lab	44.7211, 19.6658, -8.7007

Details

The Yxy color **19.9998, 0.3284, 0.2677** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.6112, 0.3002, 0.3993**, and the grayscale version is **21.2205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3557, 0.3251, 0.2804**, and **6.9757, 0.3347, 0.2457** is the 20% darker color. If you saturate the color by 10%, you get **16.8827, 0.3348, 0.2482**, and if you desaturate by 10%, it is **23.7178, 0.3226, 0.2877**.

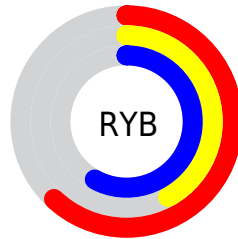
Distribution



Red (62%)

Green (42%)

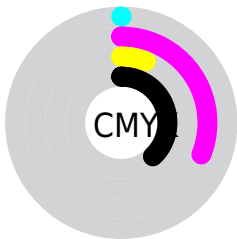
Blue (58%)



Red (62%)

Yellow (42%)

Blue (58%)

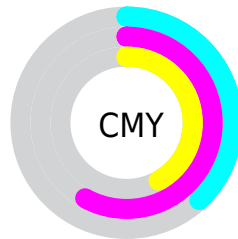


Cyan (0%)

Magenta (31%)

Yellow (6%)

Black (38%)



Cyan (38%)


Magenta (58%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9998, 0.3284, 0.2677 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 19.9998, 0.3284, 0.2677 by changing the saturation by 10% instead.


 19.9998, 0.3284,
0.2677

 19.9998, 0.3284,
0.2677


251.9140, 0.3202,
0.3011


 12.3949, 0.3306,
0.2584


 43.4168, 0.3253,
0.2805


 7.0132, 0.3334,
0.2458


 59.9978, 0.3242,
0.2851

 3.4704, 0.3372,
0.2278

 80.3395, 0.3232,
0.2889

 1.3820, 0.3425,
0.2003

 104.8265, 0.3224,
0.2921

 0.2034, 0.3751,
0.0922

133.8430, 0.3217,
0.2949

 0.0000, 0.0000,
0.0000

167.7735, 0.3212,

0.2972

207.0024, 0.3206,
0.2993

■ 19.9998, 0.3284,
0.2677

■ 19.9998, 0.3284,
0.2677

■ 16.8827, 0.3348,
0.2482

■ 23.7178, 0.3226,
0.2877

■ 14.3319, 0.3419,
0.2299

■ 28.0638, 0.3176,
0.3075

■ 12.3131, 0.3494,
0.2139


■ 33.0663, 0.3132,
0.3267

■ 10.7874, 0.3572,
0.2010


■ 38.7513, 0.3094,
0.3450


■ 9.7106, 0.3651,
0.1921

■ 45.1434, 0.3062,
0.3621


 9.0304, 0.3728,
0.1876

 52.2661, 0.3035,
0.3779

 8.6488, 0.3795,
0.1864

 60.1416, 0.3012,
0.3925

 68.7912, 0.2993,
0.4059

 78.2356, 0.2977,
0.4182

Harmonies

Analogous

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



19.9998, 0.2752, 0.2473



19.9998, 0.3284, 0.2677



19.9998, 0.3813, 0.3015

Triad

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



19.9998, 0.3284, 0.2677



19.9998, 0.3910, 0.4171



19.9998, 0.2198, 0.3011

Complementary

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



19.9998, 0.3284, 0.2677



28.6112, 0.3002, 0.3993

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.



19.9998, 0.2458, 0.3546



19.9998, 0.3284, 0.2677



19.9998, 0.3438, 0.4272

Square

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



19.9998, 0.3284, 0.2677



19.9998, 0.4182, 0.3845



19.9998, 0.2907, 0.4042



19.9998, 0.2165, 0.2623

Rectangle

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



19.9998, 0.3284, 0.2677



19.9998, 0.4071, 0.3287



19.9998, 0.2907, 0.4042



19.9998, 0.2260, 0.3180

Sweetspot

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



20.0007, 0.3284, 0.2677



51.9858, 0.3166, 0.3115



16.9974, 0.2696, 0.2426



11.1839, 0.3173, 0.3089



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.0007, 0.3284, 0.2677



32.0689, 0.3325, 0.2549



19.3164, 0.3605, 0.3051



6.7314, 0.3167, 0.3114



7.0295, 0.3789, 0.1861



0.1311, 0.3521, 0.1713

Inverse Universe

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



20.0007, 0.3284, 0.2677



32.0689, 0.3325, 0.2549



29.2654, 0.2804, 0.3545



6.7314, 0.3167, 0.3114



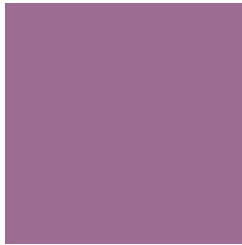
7.0295, 0.3789, 0.1861



0.1311, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 19.9998, 0.3284, 0.2677 looks on a white background.

Color Contrast Check

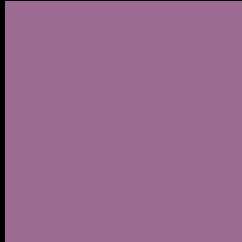
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9998, 0.3284, 0.2677 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 19.9998, 0.3284, 0.2677

Background



This preview shows how black text looks on a background with the Yxy color 19.9998, 0.3284, 0.2677.



This preview shows how white text looks on a background with the Yxy color 19.9998, 0.3284, 0.2677.

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

19.9998, 0.3284, 0.2677

Protanopia

20.2451, 0.2691, 0.2691

Deuteranopia

20.1547, 0.2923, 0.2867



Tritanopia

20.0608, 0.3572, 0.3159

Trichromacy



Original Color

19.9998, 0.3284, 0.2677

Protanomaly

20.0026, 0.2885, 0.2692

Deuteranomaly

19.8845, 0.3041, 0.2780

Tritanomaly

19.9491, 0.3471, 0.2981

Monochromacy



Original Color

19.9998, 0.3284, 0.2677

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.5574, 0.3188, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9998, 0.3284, 0.2677 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(157, 108, 147)` looks like.

```
.text, #text, p{  
    color:rgb(157, 108, 147)  
}
```

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(157, 108, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 108, 147) }
```

Border

The CSS property to change the border of an element to Yxy 19.9998, 0.3284, 0.2677 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(157, 108, 147) }
```

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

```
.border{ border-color:rgb(157, 108, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 108, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 108, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 108, 147);  
box-shadow:4px 4px 4px 4px rgb(157, 108,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9998, 0.3284, 0.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 108, 147) }
```

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

```
.background{ background-color: rgb(157,  
108, 147) }
```

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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