

Converting Colors

$Y_{xy}(28.0096, 0.2942, 0.2326)$

Have a look what the booklet for
Yxy(28.0096, 0.2942, 0.2326)
contains.

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Color

Yxy(27.9746, 0.2944, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	B07DC6
RGB	176, 125, 198
RGB Percent	69%, 49%, 78%
CMY	0.3097, 0.5099, 0.2235
CMYK	0.11, 0.37, 0.00, 0.22
HSL	282°, 39%, 63%
HSV	282°, 37%, 78%
XYZ	35.4377, 27.9746, 56.9603
YIQ	148.5710, 6.9630, 33.5150

Conversions

Conversions Part 2

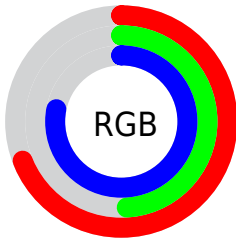
Format	Color
R _Y B	176, 125, 198
Decimal	11566534
CIE Lab	59.87, 32.86, -30.35
CIE LCh	60, 44.732, 317.278
Yxy	27.9746, 0.2944, 0.2324
Android (android.graphics.Color)	4289756614 (0xFFB07DC6)
YUV	148.5710, 24.3685, 24.0552
Hunter-Lab	52.8910, 27.0381, -26.8279

Details

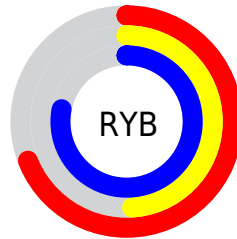
The Yxy color $27.9746, 0.2944, 0.2324$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $48.0693, 0.3243, 0.4339$, and the grayscale version is $29.7605, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.3844, 0.2992, 0.2496$, and $11.1833, 0.2859, 0.2053$ is the 20% darker color. If you saturate the color by 10%, you get $22.7737, 0.2876, 0.2056$, and if you desaturate by 10%, it is $34.2076, 0.3004, 0.2597$.

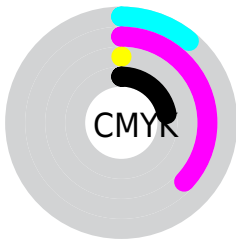
Distribution



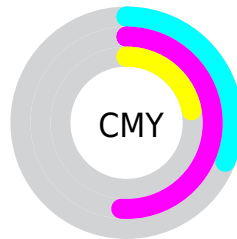
- Red (69%)
- Green (49%)
- Blue (78%)



- Red (69%)
- Yellow (49%)
- Blue (78%)



- Cyan (11%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)




- Cyan (31%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9746, 0.2944, 0.2324 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 27.9746, 0.2944, 0.2324 by changing the saturation by 10% instead.


 27.9746, 0.2944,
0.2324


 27.9746, 0.2944,
0.2324


292.3455, 0.3054,
0.2808


 18.3065, 0.2910,
0.2205


 56.4439, 0.2988,
0.2499

 11.1703, 0.2864,
0.2053


 76.0139, 0.3004,
0.2565

 6.1815, 0.2796,
0.1854


 99.6533, 0.3016,
0.2621

 2.9557, 0.2689,
0.1587

127.7465, 0.3027,
0.2669

 1.1087, 0.2507,
0.1215

160.6780, 0.3035,
0.2711

 0.0000, 0.2316,
0.0000

198.8320, 0.3042,

 0.0000, 0.0000,

0.2747

0.0000

242.5931, 0.3049,
0.2779

■ 27.9746, 0.2944,
0.2324

■ 27.9746, 0.2944,
0.2324

■ 22.7737, 0.2876,
0.2056

■ 34.2076, 0.3004,
0.2597

■ 18.5411, 0.2801,
0.1803

■ 41.5242, 0.3057,
0.2865

■ 15.2117, 0.2722,
0.1577


■ 49.9769, 0.3101,
0.3122


■ 12.7105, 0.2640,
0.1390


■ 59.6134, 0.3138,
0.3364


■ 10.9499, 0.2559,
0.1248

■ 70.4789, 0.3168,
0.3587

 9.8131, 0.2481,
0.1152

 82.6160, 0.3193,
0.3792

 9.5182, 0.2457,
0.1127

 90.4620, 0.3221,
0.3896

 91.3954, 0.3259,
0.3889

 92.3622, 0.3298,
0.3881

Harmonies

Analogous

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



27.9746, 0.2322, 0.2168



27.9746, 0.2944, 0.2324



27.9746, 0.3703, 0.2675

Triad

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



27.9746, 0.2944, 0.2324



27.9746, 0.4400, 0.4235



27.9746, 0.2028, 0.3247

Complementary

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



27.9746, 0.2944, 0.2324



48.0693, 0.3243, 0.4339

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.



27.9746, 0.2495, 0.4033



27.9746, 0.2944, 0.2324



27.9746, 0.3864, 0.4604

Square

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



27.9746, 0.2944, 0.2324



27.9746, 0.4598, 0.3707



27.9746, 0.3166, 0.4577



27.9746, 0.1847, 0.2602

Rectangle

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



27.9746, 0.2944, 0.2324



27.9746, 0.4161, 0.2989



27.9746, 0.3166, 0.4577



27.9746, 0.2153, 0.3508

Sweetspot

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



27.9758, 0.2944, 0.2324



81.8254, 0.3083, 0.3014



29.6503, 0.2511, 0.2545



17.0731, 0.3077, 0.2978



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.9758, 0.2944, 0.2324



42.2158, 0.2892, 0.2114



30.1568, 0.3308, 0.2536



10.6503, 0.3091, 0.3059



6.2359, 0.2467, 0.1133



0.3317, 0.2627, 0.1221

Inverse Universe

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



28.7753, 0.3742, 0.3000



44.0015, 0.3937, 0.2940



46.5950, 0.2989, 0.4187



10.6886, 0.3243, 0.3221



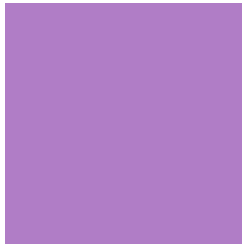
8.0302, 0.5737, 0.2934



0.3933, 0.5129, 0.2599

Previews

White Background



This preview shows how the Yxy color 27.9746, 0.2944, 0.2324 looks on a white background.

Color Contrast Check

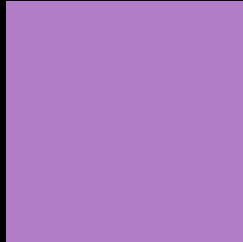
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9746, 0.2944, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

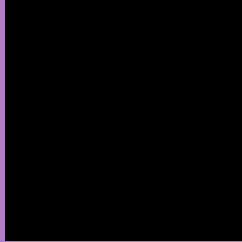
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9746, 0.2944, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 27.9746, 0.2944, 0.2324.



This preview shows how white text looks on a background with the Yxy color 27.9746, 0.2944, 0.2324.

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

27.9746, 0.2944, 0.2324

Protanopia

28.2370, 0.2386, 0.2277

Deuteranopia

28.0320, 0.2559, 0.2496



Tritanopia

28.0085, 0.3381, 0.3141

Trichromacy



Original Color

27.9746, 0.2944, 0.2324

Protanomaly

27.8641, 0.2562, 0.2287

Deuteranomaly

27.7969, 0.2689, 0.2426

Tritanomaly

27.8771, 0.3215, 0.2815

Monochromacy



Original Color

27.9746, 0.2944, 0.2324

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.9171, 0.3062, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9746, 0.2944, 0.2324 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(176, 125, 198)` looks like.

```
.text, #text, p{  
    color:rgb(176, 125, 198)  
}
```

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(176, 125, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 125, 198) }
```

Border

The CSS property to change the border of an element to Yxy 27.9746, 0.2944, 0.2324 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(176, 125, 198) }
```

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

```
.border{ border-color:rgb(176, 125, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 125, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 125, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 125, 198);  
box-shadow:4px 4px 4px 4px rgb(176, 125,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9746, 0.2944, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 125, 198) }
```

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

```
.background{ background-color: rgb(176,  
125, 198) }
```

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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