

Converting Colors

$Y_{xy}(23.2647, 0.3159, 0.2589)$

Have a look what the booklet for
Yxy(23.2647, 0.3159, 0.2589)
contains.

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Color

Yxy(23.2954, 0.3160, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	A475A4
RGB	164, 117, 164
RGB Percent	64%, 46%, 64%
CMY	0.3567, 0.5412, 0.3568
CMYK	0.00, 0.29, 0.00, 0.36
HSL	300°, 21%, 55%
HSV	300°, 29%, 64%
XYZ	28.3784, 23.2954, 38.1312
YIQ	136.4110, 12.9250, 24.5810

Conversions

Conversions Part 2

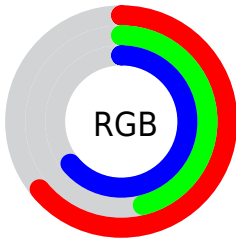
Format	Color
RYB	164, 117, 164
Decimal	10778020
CIELab	55.38, 26.53, -17.91
CIELCh	55, 32.013, 325.976
Yxy	23.2954, 0.3160, 0.2594
Android (android.graphics.Color)	4288968100 (0xFFA475A4)
YUV	136.4110, 13.6014, 24.1956
Hunter-Lab	48.2653, 20.4876, -13.0553

Details

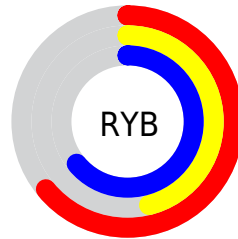
The Yxy color **23.2954, 0.3160, 0.2594** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.6286, 0.3089, 0.4100**, and the grayscale version is **24.7282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0796, 0.3162, 0.2738**, and **8.6836, 0.3153, 0.2371** is the 20% darker color. If you saturate the color by 10%, you get **19.8034, 0.3171, 0.2358**, and if you desaturate by 10%, it is **27.4592, 0.3148, 0.2838**.

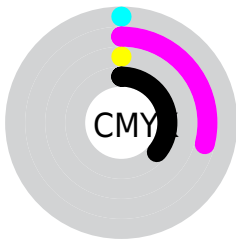
Distribution



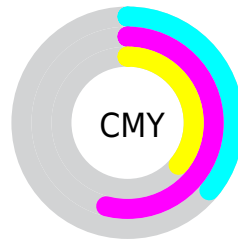
- Red (64%)
- Green (46%)
- Blue (64%)



- Red (64%)
- Yellow (46%)
- Blue (64%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (36%)





- Cyan (36%)
- Magenta (54%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2954, 0.3160, 0.2594 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 23.2954, 0.3160, 0.2594 by changing the saturation by 10% instead.


 23.2954, 0.3160,
0.2594

 23.2954, 0.3160,
0.2594


269.2386, 0.3150,
0.2962


 14.8118, 0.3160,
0.2496


 48.8779, 0.3158,
0.2732

 8.6874, 0.3158,
0.2366


 66.7456, 0.3157,
0.2783

 4.5378, 0.3151,
0.2187


 88.5101, 0.3155,
0.2825

 1.9787, 0.3132,
0.1925

114.5558, 0.3154,
0.2861

 0.5951, 0.3098,
0.1451

145.2671, 0.3153,
0.2891

 0.0000, 0.1882,
0.0000

181.0284, 0.3152,

 0.0000, 0.0000,

0.2918

0.0000

222.2241, 0.3151,
0.2941

■ 23.2954, 0.3160,
0.2594

■ 23.2954, 0.3160,
0.2594

■ 19.8034, 0.3171,
0.2358

■ 27.4592, 0.3148,
0.2838

■ 16.9452, 0.3182,
0.2139

■ 32.3241, 0.3137,
0.3083

■ 14.6837, 0.3191,
0.1946

■ 37.9215, 0.3126,
0.3321

■ 12.9767, 0.3198,
0.1788

■ 44.2799, 0.3115,
0.3548

■ 11.7764, 0.3204,
0.1668

■ 51.4264, 0.3105,
0.3762

■ 11.0271, 0.3208,
0.1590

■ 59.3865, 0.3096,
0.3960

■ 10.6227, 0.3210,
0.1547

■ 68.1848, 0.3087,
0.4141

■ 10.5758, 0.3210,
0.1542

■ 77.8448, 0.3079,
0.4307

■ 82.0990, 0.3076,
0.4371

Harmonies

Analogous

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



23.2954, 0.2629, 0.2420



23.2954, 0.3160, 0.2594



23.2954, 0.3729, 0.2917

Triad

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



23.2954, 0.3160, 0.2594



23.2954, 0.4025, 0.4143



23.2954, 0.2203, 0.3112

Complementary

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



23.2954, 0.3160, 0.2594



31.6286, 0.3089, 0.4100

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.



23.2954, 0.2520, 0.3684



23.2954, 0.3160, 0.2594



23.2954, 0.3568, 0.4318

Square

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



23.2954, 0.3160, 0.2594



23.2954, 0.4247, 0.3771



23.2954, 0.3016, 0.4159



23.2954, 0.2117, 0.2667

Rectangle

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



23.2954, 0.3160, 0.2594



23.2954, 0.4034, 0.3188



23.2954, 0.3016, 0.4159



23.2954, 0.2284, 0.3297

Sweetspot

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



23.2964, 0.3160, 0.2594



58.1865, 0.3137, 0.3071



19.1817, 0.2637, 0.2480



12.4376, 0.3139, 0.3037



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.2964, 0.3160, 0.2594



38.3499, 0.3167, 0.2452



22.5239, 0.3438, 0.2928



7.2022, 0.3138, 0.3069



8.1052, 0.3210, 0.1542



0.1703, 0.3210, 0.1542

Inverse Universe

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



23.2964, 0.3160, 0.2594



38.3499, 0.3167, 0.2452



32.2527, 0.2900, 0.3685



7.2022, 0.3138, 0.3069



8.1052, 0.3210, 0.1542



0.1703, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 23.2954, 0.3160, 0.2594 looks on a white background.

Color Contrast Check

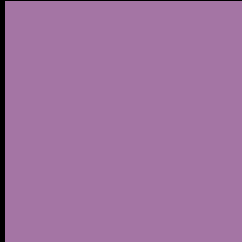
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2954, 0.3160, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

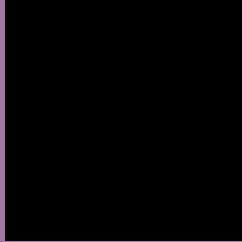
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2954, 0.3160, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 23.2954, 0.3160, 0.2594.



This preview shows how white text looks on a background with the Yxy color 23.2954, 0.3160, 0.2594.

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

23.2954, 0.3160, 0.2594

Protanopia

23.3535, 0.2618, 0.2586

Deuteranopia

23.3992, 0.2817, 0.2762



Tritanopia

23.3330, 0.3466, 0.3133

Trichromacy



Original Color

23.2954, 0.3160, 0.2594

Protanomaly

23.1424, 0.2802, 0.2590

Deuteranomaly

23.1512, 0.2931, 0.2685

Tritanomaly

23.2654, 0.3350, 0.2933

Monochromacy



Original Color

23.2954, 0.3160, 0.2594

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.8868, 0.3140, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2954, 0.3160, 0.2594 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(164, 117, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 117, 164)  
}
```

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(164, 117, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 117, 164) }
```

Border

The CSS property to change the border of an element to Yxy 23.2954, 0.3160, 0.2594 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(164, 117, 164) }
```

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

```
.border{ border-color:rgb(164, 117, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 117, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 117, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 117, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 117,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2954, 0.3160, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 117, 164) }
```

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

```
.background{ background-color: rgb(164,  
117, 164) }
```

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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