

Converting Colors

$Y_{xy}(20.8233, 0.2943, 0.2438)$

Have a look what the booklet for
Yxy(20.8233, 0.2943, 0.2438)
contains.

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Color

Yxy(20.6743, 0.2943, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	9470A7
RGB	148, 112, 167
RGB Percent	58%, 44%, 65%
CMY	0.4195, 0.5608, 0.3450
CMYK	0.11, 0.33, 0.00, 0.35
HSL	279°, 24%, 55%
HSV	279°, 33%, 65%
XYZ	24.9875, 20.6743, 39.2430
YIQ	129.0340, 3.8010, 24.7370

Conversions

Conversions Part 2

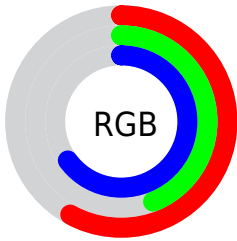
Format	Color
R_{YB}	148, 112, 167
Decimal	9728167
CIE _{Lab}	52.59, 24.65, -24.07
CIE _{LCh}	53, 34.455, 315.687
Yxy	20.6743, 0.2943, 0.2435
Android (android.graphics.Color)	4287918247 (0xFF9470A7)
YUV	129.0340, 18.7172, 16.6332
Hunter-Lab	45.4690, 18.5238, -19.3432

Details

The Yxy color $20.6743, 0.2943, 0.2435$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.6385, 0.3255, 0.4195$, and the grayscale version is $21.8990, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5214, 0.2994, 0.2609$, and $7.2796, 0.2844, 0.2135$ is the 20% darker color. If you saturate the color by 10%, you get $16.8012, 0.2868, 0.2161$, and if you desaturate by 10%, it is $25.2596, 0.3009, 0.2707$.

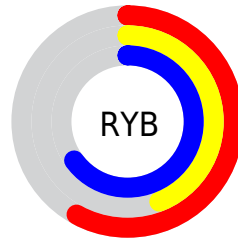
Distribution



Red (58%)

Green (44%)

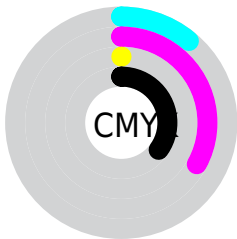
Blue (65%)



Red (58%)

Yellow (44%)

Blue (65%)

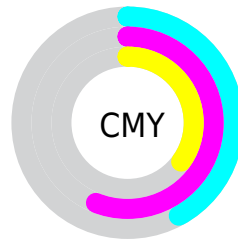


Cyan (11%)

Magenta (33%)

Yellow (0%)

Black (35%)



Cyan (42%)


Magenta (56%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6743, 0.2943, 0.2435 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 20.6743, 0.2943, 0.2435 by changing the saturation by 10% instead.


 20.6743, 0.2943,
0.2435


 20.6743, 0.2943,
0.2435


255.5425, 0.3056,
0.2891


 12.8861, 0.2907,
0.2313


 44.5448, 0.2990,
0.2607


 7.3502, 0.2854,
0.2151


 61.3960, 0.3005,
0.2670

 3.6821, 0.2773,
0.1927

 82.0370, 0.3018,
0.2722

 1.4973, 0.2636,
0.1605

 106.8521, 0.3028,
0.2766

 0.2869, 0.2452,
0.0804

136.2259, 0.3037,
0.2804

 0.0000, 0.0000,
0.0000

170.5426, 0.3044,

0.2837

210.1866, 0.3050,
0.2865

■ 20.6743, 0.2943,
0.2435

■ 20.6743, 0.2943,
0.2435

■ 16.8012, 0.2868,
0.2161

■ 25.2596, 0.3009,
0.2707

■ 13.5994, 0.2786,
0.1896

■ 30.5897, 0.3066,
0.2971

■ 11.0277, 0.2697,
0.1651


■ 36.6984, 0.3114,
0.3220

■ 9.0395, 0.2605,
0.1438


■ 43.6168, 0.3155,
0.3451


■ 7.5811, 0.2513,
0.1266

■ 51.3741, 0.3188,
0.3664


 6.5889, 0.2423,
0.1143

 59.9979, 0.3215,
0.3858

 6.0666, 0.2362,
0.1075

 69.5147, 0.3237,
0.4033

 79.9500, 0.3255,
0.4191

 86.5768, 0.3279,
0.4267

Harmonies

Analogous

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



20.6743, 0.2410, 0.2310



20.6743, 0.2943, 0.2435



20.6743, 0.3588, 0.2738

Triad

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



20.6743, 0.2943, 0.2435



20.6743, 0.4246, 0.4103



20.6743, 0.2194, 0.3298

Complementary

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



20.6743, 0.2943, 0.2435



33.6385, 0.3255, 0.4195

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.



20.6743, 0.2619, 0.3947



20.6743, 0.2943, 0.2435



20.6743, 0.3805, 0.4407

Square

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



20.6743, 0.2943, 0.2435



20.6743, 0.4384, 0.3647



20.6743, 0.3207, 0.4382



20.6743, 0.2014, 0.2733

Rectangle

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



20.6743, 0.2943, 0.2435



20.6743, 0.3981, 0.3014



20.6743, 0.3207, 0.4382



20.6743, 0.2310, 0.3518

Sweetspot

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



20.6752, 0.2943, 0.2435



57.6554, 0.3080, 0.3041



22.5344, 0.2593, 0.2679



12.5839, 0.3073, 0.3007



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.6752, 0.2943, 0.2435



31.5189, 0.2886, 0.2222



22.2985, 0.3260, 0.2599



7.5351, 0.3085, 0.3064



4.6688, 0.2370, 0.1079



0.1403, 0.2658, 0.1238

Inverse Universe

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



21.4415, 0.3612, 0.2998



33.2289, 0.3777, 0.2928



32.4513, 0.3018, 0.4097



7.5835, 0.3234, 0.3212



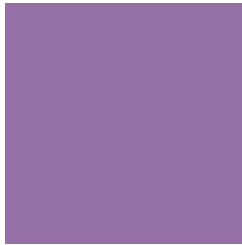
6.5259, 0.5552, 0.2832



0.1684, 0.4652, 0.2337

Previews

White Background



This preview shows how the Yxy color 20.6743, 0.2943, 0.2435 looks on a white background.

Color Contrast Check

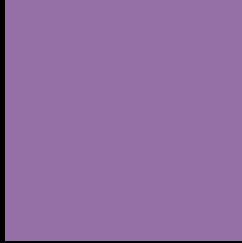
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6743, 0.2943, 0.2435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

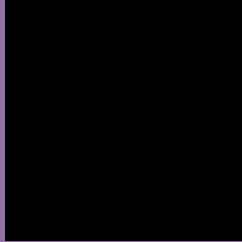
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6743, 0.2943, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 20.6743, 0.2943, 0.2435.



This preview shows how white text looks on a background with the Yxy color 20.6743, 0.2943, 0.2435.

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

20.6743, 0.2943, 0.2435

Protanopia

20.8649, 0.2488, 0.2417

Deuteranopia

20.9138, 0.2642, 0.2590



Tritanopia

20.7687, 0.3297, 0.3136

Trichromacy



Original Color

20.6743, 0.2943, 0.2435

Protanomaly

20.7352, 0.2635, 0.2421

Deuteranomaly

20.7753, 0.2738, 0.2528

Tritanomaly

20.6350, 0.3160, 0.2857

Monochromacy



Original Color

20.6743, 0.2943, 0.2435

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.3833, 0.3060, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6743, 0.2943, 0.2435 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(148, 112, 167)` looks like.

```
.text, #text, p{  
    color:rgb(148, 112, 167)  
}
```

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(148, 112, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 112, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.6743, 0.2943, 0.2435 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(148, 112, 167) }
```

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

```
.border{ border-color:rgb(148, 112, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 112, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 112, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 112, 167);  
box-shadow:4px 4px 4px 4px rgb(148, 112,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6743, 0.2943, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 112, 167) }
```

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

```
.background{ background-color: rgb(148,  
112, 167) }
```

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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