

Converting Colors

$Y_{xy}(20.1443, 0.2904, 0.2434)$

Have a look what the booklet for
Yxy(20.1443, 0.2904, 0.2434)
contains.

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Color

Yxy(20.2708, 0.2907, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	9070A6
RGB	144, 112, 166
RGB Percent	56%, 44%, 65%
CMY	0.4353, 0.5608, 0.3489
CMYK	0.13, 0.33, 0.00, 0.35
HSL	276°, 23%, 55%
HSV	276°, 33%, 65%
XYZ	24.1802, 20.2708, 38.7283
YIQ	127.7240, 1.7380, 23.5780

Conversions

Conversions Part 2

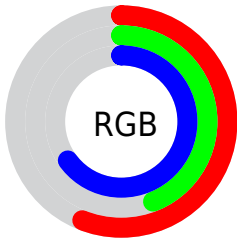
Format	Color
RYB	144, 112, 166
Decimal	9466022
CIELab	52.14, 23.10, -24.22
CIELCh	52, 33.471, 313.649
Yxy	20.2708, 0.2907, 0.2437
Android (android.graphics.Color)	4287656102 (0xFF9070A6)
YUV	127.7240, 18.8701, 14.2741
Hunter-Lab	45.0231, 17.0752, -19.4843

Details

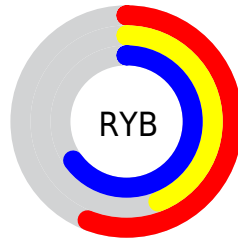
The Yxy color $20.2708, 0.2907, 0.2437$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.5238, 0.3287, 0.4173$, and the grayscale version is $21.4195, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.7771, 0.2960, 0.2611$, and $7.2089, 0.2809, 0.2158$ is the 20% darker color. If you saturate the color by 10%, you get $16.3480, 0.2818, 0.2156$, and if you desaturate by 10%, it is $24.9075, 0.2986, 0.2714$.

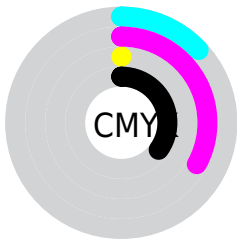
Distribution



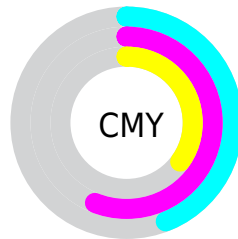
- Red (56%)
- Green (44%)
- Blue (65%)



- Red (56%)
- Yellow (44%)
- Blue (65%)



- Cyan (13%)
- Magenta (33%)
- Yellow (0%)
- Black (35%)





- Cyan (44%)
- Magenta (56%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2708, 0.2907, 0.2437 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 20.2708, 0.2907, 0.2437 by changing the saturation by 10% instead.


 20.2708, 0.2907,
0.2437


 20.2708, 0.2907,
0.2437


253.3774, 0.3039,
0.2894


 12.5920, 0.2865,
0.2314


 43.8707, 0.2961,
0.2610

 7.1482, 0.2805,
0.2150


 60.5607, 0.2980,
0.2673

 3.5550, 0.2712,
0.1923

 81.0232, 0.2995,
0.2725

 1.4279, 0.2557,
0.1594

 105.6426, 0.3007,
0.2769

 0.2371, 0.2354,
0.0707

134.8033, 0.3017,
0.2807

 0.0000, 0.0000,
0.0000

168.8898, 0.3026,

0.2840

208.2863, 0.3033,
0.2868

■ 20.2708, 0.2907,
0.2437

■ 20.2708, 0.2907,
0.2437

■ 16.3480, 0.2818,
0.2156

■ 24.9075, 0.2986,
0.2714

■ 13.0986, 0.2719,
0.1880

■ 30.2904, 0.3055,
0.2980

■ 10.4821, 0.2614,
0.1623


■ 36.4529, 0.3114,
0.3230

■ 8.4523, 0.2506,
0.1396


■ 43.4259, 0.3163,
0.3460


■ 6.9566, 0.2398,
0.1211

■ 51.2381, 0.3204,
0.3671

 5.9324, 0.2295,
0.1076

 59.9172, 0.3238,
0.3861

 5.3691, 0.2222,
0.0998

 69.4894, 0.3266,
0.4033

 79.9797, 0.3289,
0.4187

 87.2434, 0.3317,
0.4268

Harmonies

Analogous

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



20.2708, 0.2396, 0.2328



20.2708, 0.2907, 0.2437



20.2708, 0.3536, 0.2725

Triad

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



20.2708, 0.2907, 0.2437



20.2708, 0.4243, 0.4061



20.2708, 0.2234, 0.3342

Complementary

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



20.2708, 0.2907, 0.2437



33.5238, 0.3287, 0.4173

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.



20.2708, 0.2666, 0.3970



20.2708, 0.2907, 0.2437



20.2708, 0.3829, 0.4371

Square

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



20.2708, 0.2907, 0.2437



20.2708, 0.4352, 0.3610



20.2708, 0.3249, 0.4370



20.2708, 0.2039, 0.2778

Rectangle

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



20.2708, 0.2907, 0.2437



20.2708, 0.3927, 0.2991



20.2708, 0.3249, 0.4370



20.2708, 0.2354, 0.3558

Sweetspot

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



20.2716, 0.2907, 0.2437



57.4576, 0.3070, 0.3040



23.3911, 0.2608, 0.2752



12.5341, 0.3061, 0.3006



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.



20.2716, 0.2907, 0.2437



31.5375, 0.2844, 0.2235



22.2903, 0.3216, 0.2560



7.5118, 0.3075, 0.3063



4.1897, 0.2230, 0.1002



0.1307, 0.2559, 0.1184

Inverse Universe

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



21.4206, 0.3558, 0.2951



34.0535, 0.3694, 0.2874



32.0005, 0.3048, 0.4149



7.5911, 0.3224, 0.3198



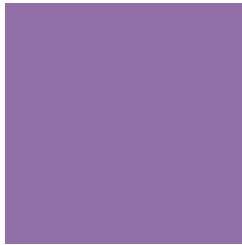
6.6161, 0.5304, 0.2696



0.1712, 0.4461, 0.2231

Previews

White Background



This preview shows how the Yxy color 20.2708, 0.2907, 0.2437 looks on a white background.

Color Contrast Check

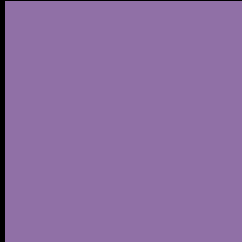
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2708, 0.2907, 0.2437 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 20.2708, 0.2907, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 20.2708, 0.2907, 0.2437.



This preview shows how white text looks on a background with the Yxy color 20.2708, 0.2907, 0.2437.

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

20.2708, 0.2907, 0.2437

Protanopia

20.4731, 0.2492, 0.2426

Deuteranopia

20.4911, 0.2629, 0.2583



Tritanopia

20.1819, 0.3248, 0.3116

Trichromacy



Original Color

20.2708, 0.2907, 0.2437

Protanomaly

20.2715, 0.2631, 0.2427

Deuteranomaly

20.3459, 0.2725, 0.2521

Tritanomaly

20.0192, 0.3123, 0.2849

Monochromacy



Original Color

20.2708, 0.2907, 0.2437

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.9404, 0.3048, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2708, 0.2907, 0.2437 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(144, 112, 166)` looks like.

```
.text, #text, p{  
    color:rgb(144, 112, 166)  
}
```

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(144, 112, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 112, 166) }
```

Border

The CSS property to change the border of an element to Yxy 20.2708, 0.2907, 0.2437 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(144, 112, 166) }
```

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

```
.border{ border-color:rgb(144, 112, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 112, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 112, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 112, 166); box-shadow:4px 4px 4px 4px rgb(144, 112, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2708, 0.2907, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 112, 166) }
```

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

```
.background{ background-color: rgb(144,  
112, 166) }
```

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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