

Converting Colors

$Y_{xy}(21.0620, 0.2887, 0.2258)$

Have a look what the booklet for
Yxy(21.0620, 0.2887, 0.2258)
contains.

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Color

Yxy(21.0620, 0.2887, 0.2258)

Conversions

Conversions Part 1

Format	Color
Hex	9A6DB3
RGB	154, 109, 179
RGB Percent	60%, 43%, 70%
CMY	0.3961, 0.5725, 0.2981
CMYK	0.14, 0.39, 0.00, 0.30
HSL	279°, 32%, 56%
HSV	279°, 39%, 70%
XYZ	26.9291, 21.0620, 45.2861
YIQ	130.4350, 4.3500, 31.3100

Conversions

Conversions Part 2

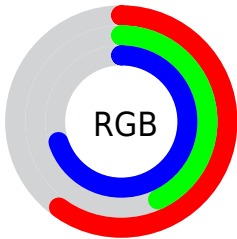
Format	Color
R_{YB}	154, 109, 179
Decimal	10120627
CIE _{Lab}	53.02, 30.91, -30.29
CIE _{LCh}	53, 43.279, 315.574
Yxy	21.0620, 0.2887, 0.2258
Android (android.graphics.Color)	4288310707 (0xFF9A6DB3)
YUV	130.4350, 23.9425, 20.6665
Hunter-Lab	45.8934, 24.4262, -26.3801

Details

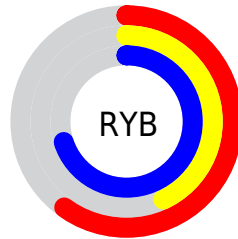
The Yxy color **21.0620, 0.2887, 0.2258** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **38.4077, 0.3282, 0.4390**, and the grayscale version is **22.3981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0432, 0.2944, 0.2454**, and **7.5048, 0.2765, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **17.0140, 0.2804, 0.1985**, and if you desaturate by 10%, it is **25.9227, 0.2962, 0.2535**.

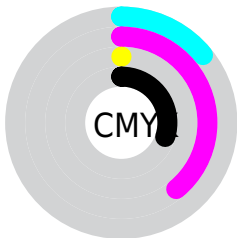
Distribution



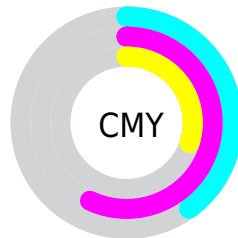
- Red (60%)
- Green (43%)
- Blue (70%)



- Red (60%)
- Yellow (43%)
- Blue (70%)



- Cyan (14%)
- Magenta (39%)
- Yellow (0%)
- Black (30%)





- Cyan (40%)
- Magenta (57%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0620, 0.2887, 0.2258 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 21.0620, 0.2887, 0.2258 by changing the saturation by 10% instead.


 21.0620, 0.2887,
0.2258


 21.0620, 0.2887,
0.2258


257.6078, 0.3034,
0.2796


 13.1693, 0.2840,
0.2118


 45.1907, 0.2947,
0.2458

 7.5453, 0.2774,
0.1938


 62.1955, 0.2968,
0.2532

 3.8054, 0.2673,
0.1695


 83.0065, 0.2984,
0.2594

 1.5653, 0.2508,
0.1361

 108.0081, 0.2998,
0.2646

 0.3340, 0.2257,
0.0690

137.5846, 0.3009,
0.2692

 0.0000, 0.0149,
0.0000

172.1204, 0.3019,

 0.0000, 0.0000,

0.2731

0.0000

212.0000, 0.3027,
0.2766

■ 21.0620, 0.2887,
0.2258

■ 21.0620, 0.2887,
0.2258

■ 17.0140, 0.2804,
0.1985

■ 25.9227, 0.2962,
0.2535

■ 13.7280, 0.2713,
0.1728

■ 31.6376, 0.3027,
0.2807

■ 11.1518, 0.2618,
0.1499


■ 38.2482, 0.3084,
0.3067


■ 9.2250, 0.2522,
0.1309


■ 45.7926, 0.3131,
0.3311

■ 7.8770, 0.2428,
0.1166


■ 54.3067, 0.3171,
0.3537


 6.9771, 0.2338,
0.1066

 63.8246, 0.3203,
0.3743

 6.9026, 0.2330,
0.1057

 74.3784, 0.3230,
0.3929

 85.9990, 0.3251,
0.4098

 88.7014, 0.3288,
0.4113

Harmonies

Analogous

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



21.0620, 0.2246, 0.2106



21.0620, 0.2887, 0.2258



21.0620, 0.3691, 0.2615

Triad

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



21.0620, 0.2887, 0.2258



21.0620, 0.4494, 0.4249



21.0620, 0.1985, 0.3285

Complementary

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



21.0620, 0.2887, 0.2258



38.4077, 0.3282, 0.4390

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.



21.0620, 0.2489, 0.4130



21.0620, 0.2887, 0.2258



21.0620, 0.3938, 0.4669

Square

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



21.0620, 0.2887, 0.2258



21.0620, 0.4686, 0.3686



21.0620, 0.3204, 0.4684



21.0620, 0.1782, 0.2587

Rectangle

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



21.0620, 0.2887, 0.2258



21.0620, 0.4190, 0.2938



21.0620, 0.3204, 0.4684



21.0620, 0.2121, 0.3568

Sweetspot

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



21.0629, 0.2887, 0.2258



64.6578, 0.3067, 0.2988



23.7415, 0.2485, 0.2558



13.9829, 0.3060, 0.2955



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



21.0629, 0.2887, 0.2258



31.3414, 0.2815, 0.2020



23.4109, 0.3278, 0.2453



8.4919, 0.3082, 0.3062



4.9161, 0.2340, 0.1063



0.1860, 0.2589, 0.1200

Inverse Universe

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



22.2430, 0.3734, 0.2928



33.9333, 0.3939, 0.2850



36.8026, 0.3007, 0.4304



8.5538, 0.3233, 0.3209



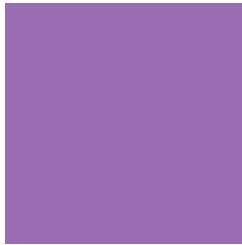
7.0448, 0.5513, 0.2811



0.2330, 0.4735, 0.2382

Previews

White Background



This preview shows how the Yxy color 21.0620, 0.2887, 0.2258 looks on a white background.

Color Contrast Check

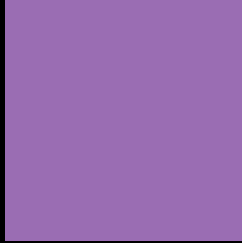
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0620, 0.2887, 0.2258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

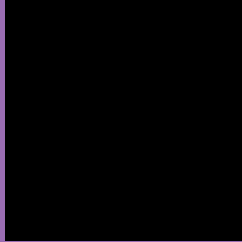
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0620, 0.2887, 0.2258

Background



This preview shows how black text looks on a background with the Yxy color 21.0620, 0.2887, 0.2258.



This preview shows how white text looks on a background with the Yxy color 21.0620, 0.2887, 0.2258.

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

21.0620, 0.2887, 0.2258

Protanopia

21.3566, 0.2323, 0.2211

Deuteranopia

21.1813, 0.2499, 0.2437



Tritanopia

21.1289, 0.3347, 0.3139

Trichromacy



Original Color

21.0620, 0.2887, 0.2258

Protanomaly

20.9191, 0.2501, 0.2218

Deuteranomaly

20.8800, 0.2629, 0.2358

Tritanomaly

20.9869, 0.3175, 0.2788

Monochromacy



Original Color

21.0620, 0.2887, 0.2258

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.5462, 0.3041, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0620, 0.2887, 0.2258 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(154, 109, 179)` looks like.

```
.text, #text, p{  
    color:rgb(154, 109, 179)  
}
```

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(154, 109, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 109, 179) }
```

Border

The CSS property to change the border of an element to Yxy 21.0620, 0.2887, 0.2258 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(154, 109, 179) }
```

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

```
.border{ border-color:rgb(154, 109, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 109, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 109, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 109, 179);  
box-shadow:4px 4px 4px 4px rgb(154, 109,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0620, 0.2887, 0.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 109, 179) }
```

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

```
.background{ background-color: rgb(154,  
109, 179) }
```

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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