

Converting Colors

$Y_{xy}(20.8904, 0.3420, 0.2805)$

Have a look what the booklet for
Yxy(20.8904, 0.3420, 0.2805)
contains.

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Color

Yxy(20.8914, 0.3421, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	A36E8E
RGB	163, 110, 142
RGB Percent	64%, 43%, 56%
CMY	0.3608, 0.5686, 0.4432
CMYK	0.00, 0.33, 0.13, 0.36
HSL	324°, 22%, 54%
HSV	324°, 33%, 64%
XYZ	25.5613, 20.8914, 28.2662
YIQ	129.4950, 21.3160, 21.1880

Conversions

Conversions Part 2

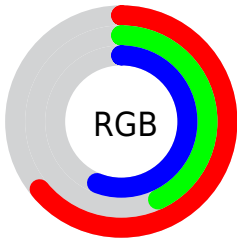
Format	Color
R_{YB}	163, 110, 142
Decimal	10710670
CIE _{Lab}	52.83, 26.06, -8.91
CIE _{LCh}	53, 27.538, 341.119
Yxy	20.8914, 0.3421, 0.2796
Android (android.graphics.Color)	4288900750 (0xFFA36E8E)
YUV	129.4950, 6.1650, 29.3839
Hunter-Lab	45.7071, 19.8372, -4.6711

Details

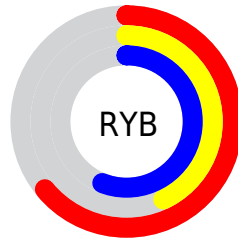
The Yxy color $20.8914, 0.3421, 0.2796$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.1502, 0.2916, 0.3844$, and the grayscale version is $22.1084, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8863, 0.3358, 0.2894$, and $7.4252, 0.3521, 0.2607$ is the 20% darker color. If you saturate the color by 10%, you get $17.5037, 0.3546, 0.2642$, and if you desaturate by 10%, it is $24.9393, 0.3313, 0.2953$.

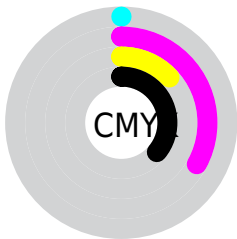
Distribution



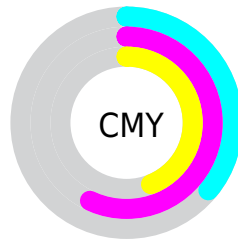
- Red (64%)
- Green (43%)
- Blue (56%)



- Red (64%)
- Yellow (43%)
- Blue (56%)



- Cyan (0%)
- Magenta (33%)
- Yellow (13%)
- Black (36%)



- Cyan (36%)
- Magenta (57%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8914, 0.3421, 0.2796 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 20.8914, 0.3421, 0.2796 by changing the saturation by 10% instead.


 20.8914, 0.3421,
0.2796


 20.8914, 0.3421,
0.2796


256.7008, 0.3259,
0.3066

 13.0446, 0.3467,
0.2720


 44.9067, 0.3358,
0.2900

 7.4593, 0.3530,
0.2617


 61.8441, 0.3336,
0.2937

 3.7510, 0.3621,
0.2468

 82.5804, 0.3318,
0.2968

 1.5353, 0.3765,
0.2238

 107.5002, 0.3302,
0.2994

 0.3133, 0.4232,
0.1415

136.9877, 0.3289,
0.3016

 0.0000, 0.0000,
0.0000

171.4273, 0.3278,

0.3035

211.2036, 0.3268,
0.3051

■ 20.8914, 0.3421,
0.2796

■ 20.8914, 0.3421,
0.2796

■ 17.5037, 0.3546,
0.2642

■ 24.9393, 0.3313,
0.2953

■ 14.7376, 0.3689,
0.2499

■ 29.6775, 0.3222,
0.3107

■ 12.5550, 0.3847,
0.2376


■ 35.1378, 0.3144,
0.3254


■ 10.9121, 0.4019,
0.2285


■ 41.3490, 0.3080,
0.3393

■ 9.7593, 0.4198,
0.2236

■ 48.3385, 0.3026,
0.3523

 9.0374, 0.4378,
0.2236

 56.1322, 0.2981,
0.3643

 8.6748, 0.4512,
0.2259

 64.7549, 0.2944,
0.3754

 74.2301, 0.2913,
0.3855

 83.4854, 0.2886,
0.3930

Harmonies

Analogous

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



20.8914, 0.2911, 0.2564



20.8914, 0.3421, 0.2796



20.8914, 0.3878, 0.3141

Triad

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



20.8914, 0.3421, 0.2796



20.8914, 0.3748, 0.4163



20.8914, 0.2228, 0.2914

Complementary

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



20.8914, 0.3421, 0.2796



31.1502, 0.2916, 0.3844

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.



20.8914, 0.2415, 0.3384



20.8914, 0.3421, 0.2796



20.8914, 0.3280, 0.4169

Square

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



20.8914, 0.3421, 0.2796



20.8914, 0.4063, 0.3912



20.8914, 0.2793, 0.3872



20.8914, 0.2257, 0.2603

Rectangle

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



20.8914, 0.3421, 0.2796



20.8914, 0.4070, 0.3404



20.8914, 0.2793, 0.3872



20.8914, 0.2267, 0.3057

Sweetspot

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



20.8924, 0.3421, 0.2796



55.3063, 0.3202, 0.3142



18.5691, 0.2781, 0.2408



12.1409, 0.3213, 0.3121



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.



20.8924, 0.3421, 0.2796



32.9242, 0.3509, 0.2684



20.2055, 0.3768, 0.3193



7.1543, 0.3195, 0.3155



6.7508, 0.4497, 0.2251



0.1508, 0.3924, 0.1935

Inverse Universe

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



20.8924, 0.3421, 0.2796



32.9242, 0.3509, 0.2684



31.9387, 0.2718, 0.3392



7.1543, 0.3195, 0.3155



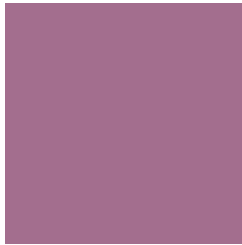
6.7508, 0.4497, 0.2251



0.1508, 0.3924, 0.1935

Previews

White Background



This preview shows how the Yxy color 20.8914, 0.3421, 0.2796 looks on a white background.

Color Contrast Check

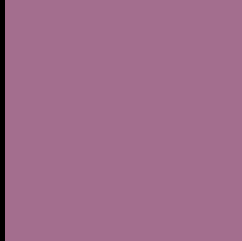
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8914, 0.3421, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

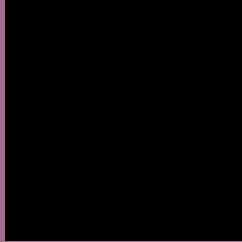
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8914, 0.3421, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 20.8914, 0.3421, 0.2796.



This preview shows how white text looks on a background with the Yxy color 20.8914, 0.3421, 0.2796.

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

20.8914, 0.3421, 0.2796

Protanopia

20.9992, 0.2802, 0.2817

Deuteranopia

21.0459, 0.3058, 0.2995



Tritanopia

21.0168, 0.3647, 0.3163

Trichromacy



Original Color

20.8914, 0.3421, 0.2796

Protanomaly

20.8053, 0.3007, 0.2816

Deuteranomaly

20.8092, 0.3182, 0.2906

Tritanomaly

21.0766, 0.3570, 0.3038

Monochromacy



Original Color

20.8914, 0.3421, 0.2796

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.3030, 0.3222, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8914, 0.3421, 0.2796 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(163, 110, 142)` looks like.

```
.text, #text, p{  
    color:rgb(163, 110, 142)  
}
```

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(163, 110, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 110, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.8914, 0.3421, 0.2796 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(163, 110, 142) }
```

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

```
.border{ border-color:rgb(163, 110, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 110, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 110, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 110, 142);  
box-shadow:4px 4px 4px 4px rgb(163, 110,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8914, 0.3421, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 110, 142) }
```

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

```
.background{ background-color: rgb(163,  
110, 142) }
```

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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