

Converting Colors

$Y_{xy}(20.3863, 0.3171, 0.2852)$

Have a look what the booklet for
Yxy(20.3863, 0.3171, 0.2852)
contains.

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Color

Yxy(20.3731, 0.3172, 0.2856)

Conversions

Conversions Part 1

Format	Color
Hex	90748E
RGB	144, 116, 142
RGB Percent	56%, 45%, 56%
CMY	0.4354, 0.5451, 0.4431
CMYK	0.00, 0.19, 0.01, 0.44
HSL	304°, 11%, 51%
HSV	304°, 19%, 56%
XYZ	22.6273, 20.3731, 28.3340
YIQ	127.3360, 8.3420, 14.0220

Conversions

Conversions Part 2

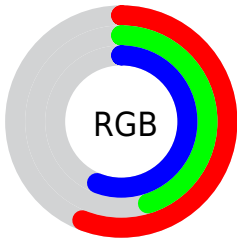
Format	Color
R_{YB}	144, 116, 142
Decimal	9467022
CIE Lab	52.26, 15.68, -10.00
CIE LCh	52, 18.596, 327.458
Yxy	20.3731, 0.3172, 0.2856
Android (android.graphics.Color)	4287657102 (0xFF90748E)
YUV	127.3360, 7.2294, 14.6143
Hunter-Lab	45.1366, 10.4943, -5.6231

Details

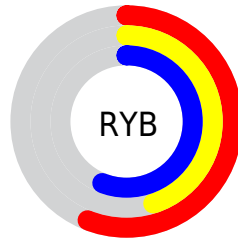
The Yxy color $20.3731, 0.3172, 0.2856$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $24.9618, 0.3084, 0.3766$, and the grayscale version is $21.3176, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9966, 0.3161, 0.2943$, and $7.2341, 0.3174, 0.2697$ is the 20% darker color. If you saturate the color by 10%, you get $17.2772, 0.3198, 0.2629$, and if you desaturate by 10%, it is $23.9856, 0.3148, 0.3082$.

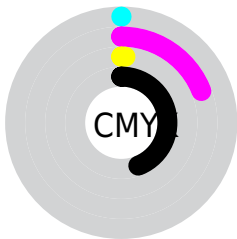
Distribution



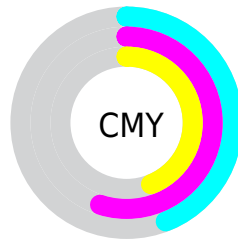
- Red (56%)
- Green (45%)
- Blue (56%)



- Red (56%)
- Yellow (45%)
- Blue (56%)



- Cyan (0%)
- Magenta (19%)
- Yellow (1%)
- Black (44%)





- Cyan (44%)
- Magenta (55%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3731, 0.3172, 0.2856 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 20.3731, 0.3172, 0.2856 by changing the saturation by 10% instead.


 20.3731, 0.3172,
0.2856

 20.3731, 0.3172,
0.2856


253.9278, 0.3150,
0.3095


 12.6665, 0.3177,
0.2787


 44.0418, 0.3164,
0.2949


 7.1993, 0.3184,
0.2693


 60.7728, 0.3161,
0.2982

 3.5871, 0.3191,
0.2557

 81.2807, 0.3158,
0.3009

 1.4454, 0.3198,
0.2340

 105.9499, 0.3156,
0.3032

 0.2498, 0.3368,
0.1357

135.1648, 0.3154,
0.3052

 0.0000, 0.0000,
0.0000

169.3099, 0.3153,

0.3068

208.7694, 0.3151,
0.3083

■ 20.3731, 0.3172,
0.2856

■ 20.3731, 0.3172,
0.2856

■ 17.2772, 0.3198,
0.2629

■ 23.9856, 0.3148,
0.3082

■ 14.6715, 0.3226,
0.2408

■ 28.1341, 0.3126,
0.3302

■ 12.5315, 0.3255,
0.2202

■ 32.8402, 0.3106,
0.3512

■ 10.8295, 0.3285,
0.2019

■ 38.1238, 0.3089,
0.3709

■ 9.5346, 0.3313,
0.1868

■ 44.0035, 0.3074,
0.3892

■ 8.6123, 0.3341,
0.1755

■ 50.4972, 0.3061,
0.4061

■ 8.0221, 0.3366,
0.1684

■ 57.6221, 0.3049,
0.4215

■ 7.6636, 0.3389,
0.1644

■ 65.3946, 0.3040,
0.4355

■ 7.6440, 0.3391,
0.1641

■ 73.8306, 0.3031,
0.4482

Harmonies

Analogous

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



20.3731, 0.2838, 0.2740



20.3731, 0.3172, 0.2856



20.3731, 0.3510, 0.3073

Triad

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



20.3731, 0.3172, 0.2856



20.3731, 0.3674, 0.3833



20.3731, 0.2542, 0.3181

Complementary

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



20.3731, 0.3172, 0.2856



24.9618, 0.3084, 0.3766

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.



20.3731, 0.2745, 0.3512



20.3731, 0.3172, 0.2856



20.3731, 0.3395, 0.3904

Square

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



20.3731, 0.3172, 0.2856



20.3731, 0.3807, 0.3623



20.3731, 0.3054, 0.3787



20.3731, 0.2490, 0.2906

Rectangle

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



20.3731, 0.3172, 0.2856



20.3731, 0.3685, 0.3253



20.3731, 0.3054, 0.3787



20.3731, 0.2595, 0.3290

Sweetspot

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



20.3740, 0.3172, 0.2856



44.6286, 0.3140, 0.3156



18.3491, 0.2838, 0.2780



10.1420, 0.3142, 0.3143



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.3740, 0.3172, 0.2856



33.6281, 0.3182, 0.2764



19.9827, 0.3340, 0.3083



5.5046, 0.3147, 0.3088



6.6600, 0.3389, 0.1641



0.0649, 0.3291, 0.1587

Inverse Universe

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



20.3740, 0.3172, 0.2856



33.6281, 0.3182, 0.2764



25.3164, 0.2955, 0.3507



5.5046, 0.3147, 0.3088



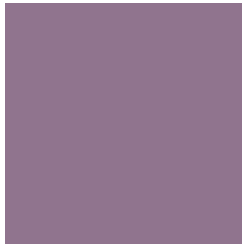
6.6600, 0.3389, 0.1641



0.0649, 0.3291, 0.1587

Previews

White Background



This preview shows how the Yxy color 20.3731, 0.3172, 0.2856 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 20.3731, 0.3172, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

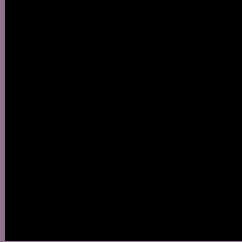
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3731, 0.3172, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 20.3731, 0.3172, 0.2856.



This preview shows how white text looks on a background with the Yxy color 20.3731, 0.3172, 0.2856.

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

20.3731, 0.3172, 0.2856

Protanopia

20.5150, 0.2839, 0.2880

Deuteranopia

20.5093, 0.3000, 0.2956



Tritanopia

20.5029, 0.3311, 0.3135

Trichromacy



Original Color

20.3731, 0.3172, 0.2856

Protanomaly

20.3862, 0.2958, 0.2871

Deuteranomaly

20.4244, 0.3060, 0.2926

Tritanomaly

20.4900, 0.3265, 0.3035

Monochromacy



Original Color

20.3731, 0.3172, 0.2856

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8184, 0.3147, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3731, 0.3172, 0.2856 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, 116, 142)` looks like.

```
.text, #text, p{  
    color:rgb(144, 116, 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(144, 116, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 116, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.3731, 0.3172, 0.2856 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, 116, 142) }
```

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

```
.border{ border-color:rgb(144, 116, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 116, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 116, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 116, 142);  
box-shadow:4px 4px 4px 4px rgb(144, 116,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3731, 0.3172, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 116, 142) }
```

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

```
.background{ background-color: rgb(144,  
116, 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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