

Converting Colors

$Y_{xy}(20.0862, 0.3286, 0.2816)$

Have a look what the booklet for
Yxy(20.0862, 0.3286, 0.2816)
contains.

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Color

Yxy(20.1868, 0.3290, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	98708D
RGB	152, 112, 141
RGB Percent	60%, 44%, 55%
CMY	0.4039, 0.5608, 0.4471
CMYK	0.00, 0.26, 0.07, 0.40
HSL	317°, 16%, 52%
HSV	317°, 26%, 60%
XYZ	23.5513, 20.1868, 27.8463
YIQ	127.2660, 14.5310, 17.4990

Conversions

Conversions Part 2

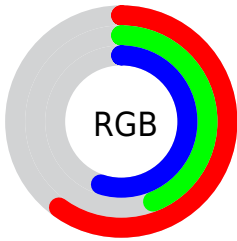
Format	Color
R _Y B	152, 112, 141
Decimal	9990285
CIE Lab	52.05, 20.74, -9.63
CIE LCh	52, 22.863, 335.100
Yxy	20.1868, 0.3290, 0.2820
Android (android.graphics.Color)	4288180365 (0xFF98708D)
YUV	127.2660, 6.7709, 21.6917
Hunter-Lab	44.9297, 14.9391, -5.2957

Details

The Yxy color $20.1868, 0.3290, 0.2820$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $27.3365, 0.2996, 0.3812$, and the grayscale version is $21.2926, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.7564, 0.3255, 0.2915$, and $7.1314, 0.3336, 0.2650$ is the 20% darker color. If you saturate the color by 10%, you get $16.9891, 0.3370, 0.2637$, and if you desaturate by 10%, it is $23.9573, 0.3220, 0.3003$.

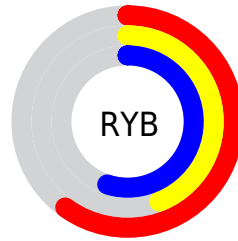
Distribution



Red (60%)

Green (44%)

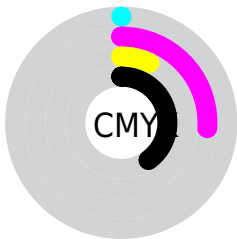
Blue (55%)



Red (60%)

Yellow (44%)

Blue (55%)

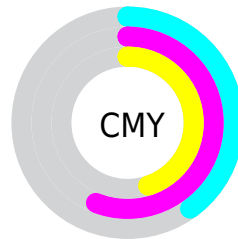


Cyan (0%)

Magenta (26%)

Yellow (7%)

Black (40%)



Cyan (40%)


Magenta (56%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1868, 0.3290, 0.2820 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 20.1868, 0.3290, 0.2820 by changing the saturation by 10% instead.


 20.1868, 0.3290,
0.2820


 20.1868, 0.3290,
0.2820


252.9246, 0.3202,
0.3079


 12.5309, 0.3315,
0.2746


 43.7301, 0.3256,
0.2920


 7.1063, 0.3348,
0.2646


 60.3864, 0.3244,
0.2956

 3.5287, 0.3396,
0.2500

 80.8115, 0.3234,
0.2985

 1.4136, 0.3469,
0.2270

 105.3900, 0.3225,
0.3010

 0.2267, 0.3863,
0.1213

134.5061, 0.3218,
0.3031

 0.0000, 0.0000,
0.0000

168.5443, 0.3212,

0.3049

207.8890, 0.3206,
0.3065

■ 20.1868, 0.3290,
0.2820

■ 20.1868, 0.3290,
0.2820

■ 16.9891, 0.3370,
0.2637

■ 23.9573, 0.3220,
0.3003

■ 14.3332, 0.3460,
0.2462

■ 28.3245, 0.3160,
0.3181

■ 12.1888, 0.3559,
0.2302

■ 33.3141, 0.3109,
0.3352

■ 10.5221, 0.3665,
0.2167

■ 38.9495, 0.3066,
0.3512

■ 9.2947, 0.3777,
0.2068

■ 45.2528, 0.3030,
0.3661

■ 8.4624, 0.3889,
0.2012

■ 52.2452, 0.2999,
0.3798

■ 7.9599, 0.3999,
0.2000

■ 59.9470, 0.2974,
0.3925

■ 7.8046, 0.4041,
0.2000

■ 68.3774, 0.2952,
0.4041

■ 77.5552, 0.2935,
0.4147

Harmonies

Analogous

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



20.1868, 0.2867, 0.2645



20.1868, 0.3290, 0.2820



20.1868, 0.3691, 0.3103

Triad

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



20.1868, 0.3290, 0.2820



20.1868, 0.3722, 0.3999



20.1868, 0.2380, 0.3051

Complementary

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



20.1868, 0.3290, 0.2820



27.3365, 0.2996, 0.3812

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.



20.1868, 0.2579, 0.3458



20.1868, 0.3290, 0.2820



20.1868, 0.3347, 0.4040

Square

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



20.1868, 0.3290, 0.2820



20.1868, 0.3945, 0.3767



20.1868, 0.2928, 0.3839



20.1868, 0.2366, 0.2752

Rectangle

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



20.1868, 0.3290, 0.2820



20.1868, 0.3879, 0.3326



20.1868, 0.2928, 0.3839



20.1868, 0.2426, 0.3180

Sweetspot

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



20.1877, 0.3290, 0.2820



48.4917, 0.3171, 0.3149



18.0427, 0.2806, 0.2585



10.7648, 0.3179, 0.3124



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.1877, 0.3290, 0.2820



31.9557, 0.3339, 0.2704



19.6540, 0.3544, 0.3135



6.2946, 0.3177, 0.3130



6.5481, 0.4034, 0.1996



0.1039, 0.3604, 0.1759

Inverse Universe

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



20.1877, 0.3290, 0.2820



31.9557, 0.3339, 0.2704



27.8790, 0.2829, 0.3452



6.2946, 0.3177, 0.3130



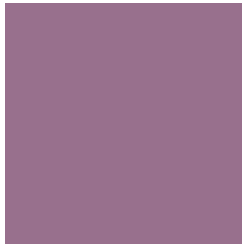
6.5481, 0.4034, 0.1996



0.1039, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 20.1868, 0.3290, 0.2820 looks on a white background.

Color Contrast Check

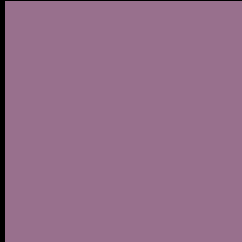
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1868, 0.3290, 0.2820 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 20.1868, 0.3290, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 20.1868, 0.3290, 0.2820.



This preview shows how white text looks on a background with the Yxy color 20.1868, 0.3290, 0.2820.

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

20.1868, 0.3290, 0.2820

Protanopia

20.2260, 0.2817, 0.2844

Deuteranopia

20.2847, 0.3034, 0.2973



Tritanopia

20.2007, 0.3473, 0.3140

Trichromacy



Original Color

20.1868, 0.3290, 0.2820

Protanomaly

20.0633, 0.2981, 0.2839

Deuteranomaly

20.2536, 0.3120, 0.2913

Tritanomaly

20.2256, 0.3412, 0.3025

Monochromacy



Original Color

20.1868, 0.3290, 0.2820

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8193, 0.3184, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1868, 0.3290, 0.2820 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(152, 112, 141)` looks like.

```
.text, #text, p{  
    color:rgb(152, 112, 141)  
}
```

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(152, 112, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 112, 141) }
```

Border

The CSS property to change the border of an element to Yxy 20.1868, 0.3290, 0.2820 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(152, 112, 141) }
```

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

```
.border{ border-color:rgb(152, 112, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 112, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 112, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 112, 141);  
box-shadow:4px 4px 4px 4px rgb(152, 112,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1868, 0.3290, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 112, 141) }
```

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

```
.background{ background-color: rgb(152,  
112, 141) }
```

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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