

Converting Colors

$Y_{xy}(20.1443, 0.3201, 0.2845)$

Have a look what the booklet for
Yxy(20.1443, 0.3201, 0.2845)
contains.

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Color

Yxy(20.2043, 0.3198, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	91738D
RGB	145, 115, 141
RGB Percent	57%, 45%, 55%
CMY	0.4313, 0.5490, 0.4471
CMYK	0.00, 0.21, 0.03, 0.43
HSL	308°, 12%, 51%
HSV	308°, 21%, 57%
XYZ	22.6158, 20.2043, 27.8985
YIQ	126.9340, 9.5340, 14.4460

Conversions

Conversions Part 2

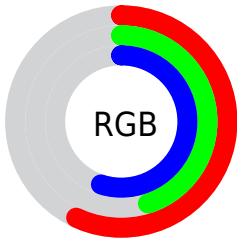
Format	Color
R_{YB}	145, 115, 141
Decimal	9532301
CIE Lab	52.07, 16.44, -9.67
CIE LCh	52, 19.073, 329.531
Yxy	20.2043, 0.3198, 0.2857
Android (android.graphics.Color)	4287722381 (0xFF91738D)
YUV	126.9340, 6.9345, 15.8439
Hunter-Lab	44.9492, 11.1497, -5.3349

Details

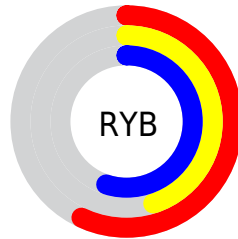
The Yxy color $20.2043, 0.3198, 0.2857$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $25.2326, 0.3063, 0.3765$, and the grayscale version is $21.1734, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.7197, 0.3179, 0.2944$, and $7.1493, 0.3213, 0.2699$ is the 20% darker color. If you saturate the color by 10%, you get $17.0964, 0.3239, 0.2643$, and if you desaturate by 10%, it is $23.8352, 0.3161, 0.3070$.

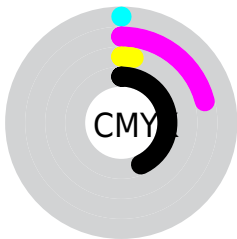
Distribution



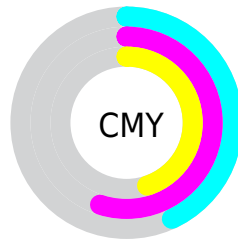
- Red (57%)
- Green (45%)
- Blue (55%)



- Red (57%)
- Yellow (45%)
- Blue (55%)



- Cyan (0%)
- Magenta (21%)
- Yellow (3%)
- Black (43%)





- Cyan (43%)
- Magenta (55%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2043, 0.3198, 0.2857 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 20.2043, 0.3198, 0.2857 by changing the saturation by 10% instead.


 20.2043, 0.3198,
0.2857


 20.2043, 0.3198,
0.2857


253.0190, 0.3161,
0.3096

 12.5436, 0.3208,
0.2788


 43.7594, 0.3184,
0.2950


 7.1151, 0.3220,
0.2694


 60.4227, 0.3179,
0.2983

 3.5342, 0.3237,
0.2557

 80.8556, 0.3175,
0.3010

 1.4166, 0.3259,
0.2340

 105.4426, 0.3171,
0.3033

 0.2289, 0.3490,
0.1291

134.5681, 0.3168,
0.3052

 0.0000, 0.0000,
0.0000

168.6163, 0.3165,

0.3069

207.9718, 0.3163,
0.3083

■ 20.2043, 0.3198,
0.2857

■ 20.2043, 0.3198,
0.2857

■ 17.0964, 0.3239,
0.2643

■ 23.8352, 0.3161,
0.3070

■ 14.4848, 0.3283,
0.2435

■ 28.0093, 0.3129,
0.3276

■ 12.3439, 0.3331,
0.2241

■ 32.7486, 0.3101,
0.3473

■ 10.6453, 0.3381,
0.2070

■ 38.0735, 0.3077,
0.3657

■ 9.3572, 0.3432,
0.1930

■ 44.0030, 0.3056,
0.3829

■ 8.4436, 0.3482,
0.1829

■ 50.5556, 0.3038,
0.3987

■ 7.8625, 0.3530,
0.1770

■ 57.7488, 0.3023,
0.4132

■ 7.5149, 0.3573,
0.1742

■ 65.5993, 0.3010,
0.4264

■ 74.1235, 0.2999,
0.4385

Harmonies

Analogous

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



20.2043, 0.2852, 0.2729



20.2043, 0.3198, 0.2857



20.2043, 0.3542, 0.3085

Triad

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



20.2043, 0.3198, 0.2857



20.2043, 0.3673, 0.3859



20.2043, 0.2518, 0.3154

Complementary

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



20.2043, 0.3198, 0.2857



25.2326, 0.3063, 0.3765

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.



20.2043, 0.2715, 0.3495



20.2043, 0.3198, 0.2857



20.2043, 0.3379, 0.3920

Square

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



20.2043, 0.3198, 0.2857



20.2043, 0.3823, 0.3650



20.2043, 0.3028, 0.3787



20.2043, 0.2475, 0.2879

Rectangle

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



20.2043, 0.3198, 0.2857



20.2043, 0.3716, 0.3271



20.2043, 0.3028, 0.3787



20.2043, 0.2567, 0.3265

Sweetspot

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



20.2052, 0.3198, 0.2857



45.9698, 0.3146, 0.3165



18.2287, 0.2839, 0.2745



10.1345, 0.3148, 0.3153



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.



20.2052, 0.3198, 0.2857



33.3777, 0.3217, 0.2754



19.7892, 0.3382, 0.3102



5.4987, 0.3156, 0.3102



6.4473, 0.3570, 0.1740



0.0639, 0.3373, 0.1632

Inverse Universe

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



20.2052, 0.3198, 0.2857



33.3777, 0.3217, 0.2754



25.6213, 0.2926, 0.3486



5.4987, 0.3156, 0.3102



6.4473, 0.3570, 0.1740



0.0639, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 20.2043, 0.3198, 0.2857 looks on a white background.

Color Contrast Check

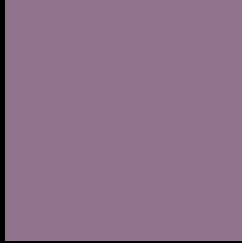
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2043, 0.3198, 0.2857 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 20.2043, 0.3198, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 20.2043, 0.3198, 0.2857.



This preview shows how white text looks on a background with the Yxy color 20.2043, 0.3198, 0.2857.

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

20.2043, 0.3198, 0.2857

Protanopia

20.2343, 0.2848, 0.2878

Deuteranopia

20.2353, 0.3011, 0.2955



Tritanopia

20.3288, 0.3338, 0.3136

Trichromacy



Original Color

20.2043, 0.3198, 0.2857

Protanomaly

20.1137, 0.2968, 0.2870

Deuteranomaly

20.2380, 0.3083, 0.2927

Tritanomaly

20.3178, 0.3291, 0.3035

Monochromacy



Original Color

20.2043, 0.3198, 0.2857

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9002, 0.3159, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2043, 0.3198, 0.2857 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(145, 115, 141)` looks like.

```
.text, #text, p{  
    color:rgb(145, 115, 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(145, 115, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 115, 141) }
```

Border

The CSS property to change the border of an element to Yxy 20.2043, 0.3198, 0.2857 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(145, 115, 141) }
```

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

```
.border{ border-color:rgb(145, 115, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 115, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 115, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 115, 141);  
box-shadow:4px 4px 4px 4px rgb(145, 115,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2043, 0.3198, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 115, 141) }
```

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

```
.background{ background-color: rgb(145,  
115, 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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