

Converting Colors

$Y_{xy}(20.1223, 0.2859, 0.2531)$

Have a look what the booklet for
Yxy(20.1223, 0.2859, 0.2531)
contains.

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Color

Yxy(20.1043, 0.2859, 0.2520)

Conversions

Conversions Part 1

Format	Color
Hex	8873A2
RGB	136, 115, 162
RGB Percent	53%, 45%, 64%
CMY	0.4666, 0.5490, 0.3647
CMYK	0.16, 0.29, 0.00, 0.36
HSL	267°, 20%, 54%
HSV	267°, 29%, 64%
XYZ	22.8088, 20.1043, 36.8659
YIQ	126.6370, -2.5710, 19.0690

Conversions

Conversions Part 2

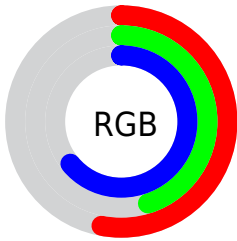
Format	Color
R_{YB}	136, 115, 162
Decimal	8942498
CIE _{Lab}	51.95, 17.80, -22.23
CIE _{LCh}	52, 28.482, 308.686
Yxy	20.1043, 0.2859, 0.2520
Android (android.graphics.Color)	4287132578 (0xFF8873A2)
YUV	126.6370, 17.4340, 8.2114
Hunter-Lab	44.8378, 12.3360, -17.3620

Details

The Yxy color **20.1043, 0.2859, 0.2520** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.7437, 0.3339, 0.4050**, and the grayscale version is **21.0336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5943, 0.2924, 0.2679**, and **7.0714, 0.2737, 0.2259** is the 20% darker color. If you saturate the color by 10%, you get **16.0106, 0.2741, 0.2224**, and if you desaturate by 10%, it is **24.9117, 0.2964, 0.2804**.

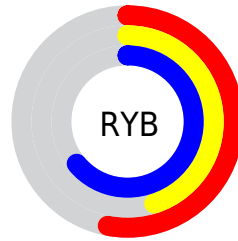
Distribution



Red (53%)

Green (45%)

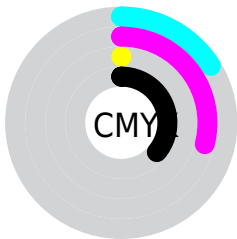
Blue (64%)



Red (53%)

Yellow (45%)

Blue (64%)

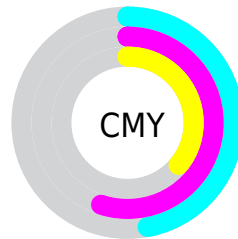


Cyan (16%)

Magenta (29%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1043, 0.2859, 0.2520 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 20.1043, 0.2859, 0.2520 by changing the saturation by 10% instead.

■ 20.1043, 0.2859,
0.2520

■ 20.1043, 0.2859,
0.2520

■ 252.4792, 0.3016,
0.2937

■ 12.4709, 0.2810,
0.2405

■ 43.5920, 0.2923,
0.2679

■ 7.0652, 0.2741,
0.2251

■ 60.2150, 0.2944,
0.2737

■ 3.5029, 0.2637,
0.2035

■ 80.6034, 0.2962,
0.2785

■ 1.3996, 0.2463,
0.1714

■ 105.1415, 0.2977,
0.2825

■ 0.2164, 0.2204,
0.0745

■ 134.2138, 0.2989,
0.2859

■ 0.0000, 0.0000,
0.0000

168.2045, 0.2999,

0.2888

207.4982, 0.3008,
0.2914

■ 20.1043, 0.2859,
0.2520

■ 20.1043, 0.2859,
0.2520

■ 16.0106, 0.2741,
0.2224

■ 24.9117, 0.2964,
0.2804

■ 12.5925, 0.2611,
0.1926

■ 30.4633, 0.3056,
0.3069

■ 9.8123, 0.2473,
0.1637

■ 36.7908, 0.3134,
0.3313

■ 7.6272, 0.2331,
0.1373

■ 43.9232, 0.3201,
0.3534

■ 5.9890, 0.2192,
0.1148

■ 51.8882, 0.3257,
0.3734

■ 4.8416, 0.2062,
0.0975

■ 60.7120, 0.3305,
0.3912

■ 4.0730, 0.1945,
0.0851

■ 70.4198, 0.3344,
0.4070

■ 4.0044, 0.1935,
0.0839

■ 81.0355, 0.3377,
0.4212

■ 88.8228, 0.3416,
0.4287

Harmonies

Analogous

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



20.1043, 0.2439, 0.2457



20.1043, 0.2859, 0.2520



20.1043, 0.3390, 0.2750

Triad

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



20.1043, 0.2859, 0.2520



20.1043, 0.4122, 0.3908



20.1043, 0.2408, 0.3430

Complementary

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



20.1043, 0.2859, 0.2520



32.7437, 0.3339, 0.4050

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.



20.1043, 0.2815, 0.3937



20.1043, 0.2859, 0.2520



20.1043, 0.3810, 0.4190

Square

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



20.1043, 0.2859, 0.2520



20.1043, 0.4157, 0.3511



20.1043, 0.3327, 0.4225



20.1043, 0.2197, 0.2929

Rectangle

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



20.1043, 0.2859, 0.2520



20.1043, 0.3734, 0.2974



20.1043, 0.3327, 0.4225



20.1043, 0.2525, 0.3610

Sweetspot

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



20.1051, 0.2859, 0.2520



55.1340, 0.3054, 0.3065



25.4917, 0.2681, 0.2944



12.0486, 0.3042, 0.3029



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.



20.1051, 0.2859, 0.2520



31.4148, 0.2782, 0.2324



22.2275, 0.3123, 0.2578



7.0077, 0.3054, 0.3063



3.1791, 0.1943, 0.0844



0.0947, 0.2374, 0.1081

Inverse Universe

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



21.8653, 0.3411, 0.2886



35.2349, 0.3498, 0.2790



30.9429, 0.3117, 0.4104



7.1484, 0.3203, 0.3166



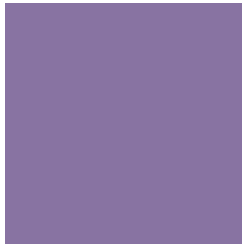
6.6359, 0.4701, 0.2363



0.1488, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 20.1043, 0.2859, 0.2520 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 20.1043, 0.2859, 0.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

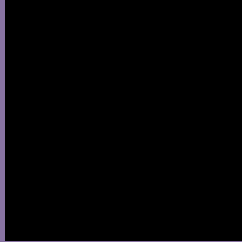
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1043, 0.2859, 0.2520

Background



This preview shows how black text looks on a background with the Yxy color 20.1043, 0.2859, 0.2520.



This preview shows how white text looks on a background with the Yxy color 20.1043, 0.2859, 0.2520.

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

20.1043, 0.2859, 0.2520

Protanopia

20.1257, 0.2555, 0.2498

Deuteranopia

20.2053, 0.2663, 0.2613



Tritanopia

20.1387, 0.3136, 0.3112

Trichromacy



Original Color

20.1043, 0.2859, 0.2520

Protanomaly

19.9399, 0.2654, 0.2493

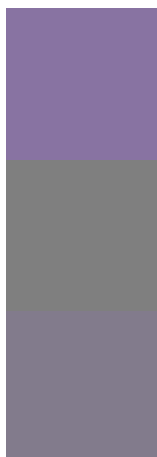
Deuteranomaly

19.9778, 0.2731, 0.2573

Tritanomaly

20.1332, 0.3037, 0.2891

Monochromacy



Original Color

20.1043, 0.2859, 0.2520

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8052, 0.3023, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1043, 0.2859, 0.2520 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(136, 115, 162)` looks like.

```
.text, #text, p{  
    color:rgb(136, 115, 162)  
}
```

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(136, 115, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 115, 162) }
```

Border

The CSS property to change the border of an element to Yxy 20.1043, 0.2859, 0.2520 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(136, 115, 162) }
```

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

```
.border{ border-color:rgb(136, 115, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 115, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 115, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 115, 162);  
box-shadow:4px 4px 4px 4px rgb(136, 115,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1043, 0.2859, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 115, 162) }
```

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

```
.background{ background-color: rgb(136,  
115, 162) }
```

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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