

Converting Colors

$Y_{xy}(20.2160, 0.2647, 0.2496)$

Have a look what the booklet for
Yxy(20.2160, 0.2647, 0.2496)
contains.

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Color

Yxy(20.2160, 0.2647, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	7878A7
RGB	120, 120, 167
RGB Percent	47%, 47%, 65%
CMY	0.5294, 0.5294, 0.3450
CMYK	0.28, 0.28, 0.00, 0.35
HSL	240°, 21%, 56%
HSV	240°, 28%, 65%
XYZ	21.4390, 20.2160, 39.3386
YIQ	125.3580, -15.0870, 14.6170

Conversions

Conversions Part 2

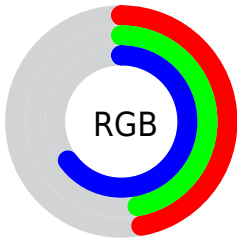
Format	Color
R_{YB}	120, 120, 167
Decimal	7895207
CIE _{Lab}	52.08, 10.91, -25.07
CIE _{LCh}	52, 27.338, 293.526
Yxy	20.2160, 0.2647, 0.2496
Android (android.graphics.Color)	4286085287 (0xFF7878A7)
YUV	125.3580, 20.5295, -4.6990
Hunter-Lab	44.9622, 6.4290, -20.4008

Details

The Yxy color **20.2160, 0.2647, 0.2496** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.2153, 0.3543, 0.3977**, and the grayscale version is **20.5693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6632, 0.2755, 0.2663**, and **7.1746, 0.2458, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **15.4522, 0.2443, 0.2159**, and if you desaturate by 10%, it is **25.8903, 0.2835, 0.2807**.

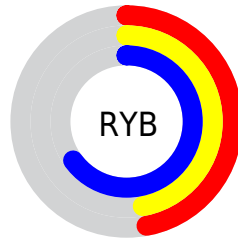
Distribution



Red (47%)

Green (47%)

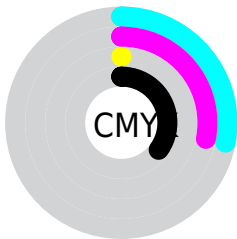
Blue (65%)



Red (47%)

Yellow (47%)

Blue (65%)

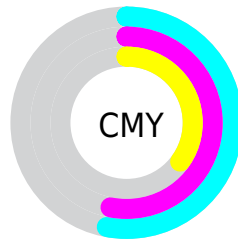


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2160, 0.2647, 0.2496 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 20.2160, 0.2647, 0.2496 by changing the saturation by 10% instead.

■ 20.2160, 0.2647,
0.2496

■ 20.2160, 0.2647,
0.2496

■ 253.0821, 0.2919,
0.2929

■ 12.5522, 0.2567,
0.2376

■ 43.7790, 0.2755,
0.2662

■ 7.1209, 0.2456,
0.2215

■ 60.4470, 0.2792,
0.2722

■ 3.5378, 0.2294,
0.1990

■ 80.8851, 0.2823,
0.2771

■ 1.4185, 0.2039,
0.1656

■ 105.4778, 0.2849,
0.2813

■ 0.2303, 0.1547,
0.0734

■ 134.6095, 0.2871,
0.2848

■ 0.0000, 0.0000,
0.0000

168.6645, 0.2889,

0.2879

208.0272, 0.2905,
0.2905

■ 20.2160, 0.2647,
0.2496

■ 20.2160, 0.2647,
0.2496

■ 15.4522, 0.2443,
0.2159

■ 25.8903, 0.2835,
0.2807

■ 11.5493, 0.2232,
0.1809

■ 32.5164, 0.3004,
0.3087

■ 8.4565, 0.2024,
0.1465

■ 40.1361, 0.3153,
0.3333

■ 6.1171, 0.1834,
0.1152

■ 48.7879, 0.3283,
0.3547

■ 4.4667, 0.1680,
0.0897

■ 58.5084, 0.3394,
0.3732

■ 3.4303, 0.1572,
0.0718

■ 69.3323, 0.3490,
0.3891

■ 2.8778, 0.1510,
0.0617

■ 81.2926, 0.3573,
0.4027

■ 2.7908, 0.1500,
0.0600

■ 94.4213, 0.3643,
0.4144

■ 95.5706, 0.3649,
0.4153

Harmonies

Analogous

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



20.2160, 0.2329, 0.2529



20.2160, 0.2647, 0.2496



20.2160, 0.3117, 0.2641

Triad

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



20.2160, 0.2647, 0.2496



20.2160, 0.4135, 0.3701



20.2160, 0.2615, 0.3683

Complementary

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



20.2160, 0.2647, 0.2496



37.2153, 0.3543, 0.3977

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.



20.2160, 0.3073, 0.4084



20.2160, 0.2647, 0.2496



20.2160, 0.3962, 0.4040

Square

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



20.2160, 0.2647, 0.2496



20.2160, 0.4014, 0.3303



20.2160, 0.3567, 0.4205



20.2160, 0.2309, 0.3176

Rectangle

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



20.2160, 0.2647, 0.2496



20.2160, 0.3463, 0.2819



20.2160, 0.3567, 0.4205



20.2160, 0.2756, 0.3839

Sweetspot

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



20.2168, 0.2647, 0.2496



58.2313, 0.3004, 0.3087



34.4267, 0.2727, 0.3289



12.6174, 0.2981, 0.3048



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.2168, 0.2647, 0.2496



30.5042, 0.2517, 0.2281



22.1081, 0.2895, 0.2549



7.3006, 0.2986, 0.3057



2.1352, 0.1500, 0.0600



0.0520, 0.1501, 0.0600

Inverse Universe

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



24.4399, 0.3159, 0.2606



39.3708, 0.3167, 0.2451



34.8842, 0.3309, 0.4033



7.6666, 0.3138, 0.3068



8.4205, 0.3210, 0.1542



0.2049, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.2160, 0.2647, 0.2496 looks on a white background.

Color Contrast Check

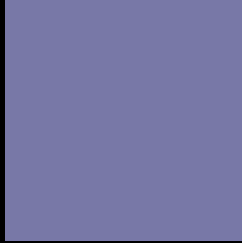
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2160, 0.2647, 0.2496 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 20.2160, 0.2647, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 20.2160, 0.2647, 0.2496.



This preview shows how white text looks on a background with the Yxy color 20.2160, 0.2647, 0.2496.

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

20.2160, 0.2647, 0.2496

Protanopia

20.1631, 0.2547, 0.2484

Deuteranopia

20.2198, 0.2582, 0.2517



Tritanopia

20.2767, 0.2884, 0.3104

Trichromacy



Original Color

20.2160, 0.2647, 0.2496

Protanomaly

20.0793, 0.2581, 0.2487

Deuteranomaly

20.1778, 0.2609, 0.2505

Tritanomaly

20.2349, 0.2796, 0.2875

Monochromacy



Original Color

20.2160, 0.2647, 0.2496

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2703, 0.2942, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2160, 0.2647, 0.2496 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(120, 120, 167)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 167)  
}
```

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(120, 120, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.2160, 0.2647, 0.2496 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(120, 120, 167) }
```

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

```
.border{ border-color:rgb(120, 120, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 167);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2160, 0.2647, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 167) }
```

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

```
.background{ background-color: rgb(120,  
120, 167) }
```

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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