

Converting Colors

$Y_{xy}(20.5231, 0.2783, 0.2712)$

Have a look what the booklet for
Yxy(20.5231, 0.2783, 0.2712)
contains.

Yxy(20.5303, 0.2782, 0.2703)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5303, 0.2782, 0.2703)

Conversions

Conversions Part 1

Format	Color
Hex	7B7A9C
RGB	123, 122, 156
RGB Percent	48%, 48%, 61%
CMY	0.5175, 0.5216, 0.3883
CMYK	0.21, 0.22, 0.00, 0.39
HSL	242°, 15%, 55%
HSV	242°, 22%, 61%
XYZ	21.1303, 20.5303, 34.2931
YIQ	126.1750, -10.3180, 10.7860

Conversions

Conversions Part 2

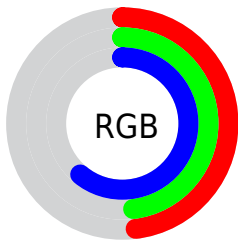
Format	Color
R_{YB}	123, 122, 156
Decimal	8092316
CIE _{Lab}	52.43, 7.93, -18.09
CIE _{LCh}	52, 19.752, 293.676
Yxy	20.5303, 0.2782, 0.2703
Android (android.graphics.Color)	4286282396 (0xFF7B7A9C)
YUV	126.1750, 14.7037, -2.7845
Hunter-Lab	45.3104, 3.9497, -13.1563

Details

The Yxy color $20.5303, 0.2782, 0.2703$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $32.1394, 0.3436, 0.3820$, and the grayscale version is $20.8798, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.2054, 0.2857, 0.2819$, and $7.2409, 0.2643, 0.2467$ is the 20% darker color. If you saturate the color by 10%, you get $15.9724, 0.2594, 0.2386$, and if you desaturate by 10%, it is $25.8771, 0.2952, 0.2991$.

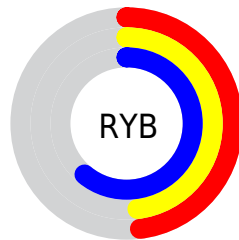
Distribution



Red (48%)

Green (48%)

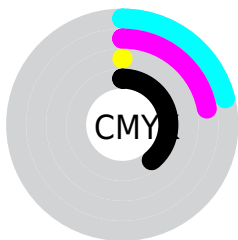
Blue (61%)



Red (48%)

Yellow (48%)

Blue (61%)

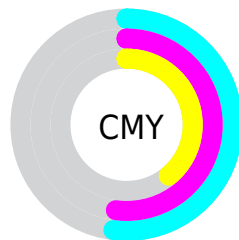


Cyan (21%)

Magenta (22%)

Yellow (0%)

Black (39%)



Cyan (52%)

Magenta (52%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5303, 0.2782, 0.2703 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 20.5303, 0.2782, 0.2703 by changing the saturation by 10% instead.

■ 20.5303, 0.2782,
0.2703

■ 20.5303, 0.2782,
0.2703

■ 254.7717, 0.2978,
0.3027

■ 12.7811, 0.2723,
0.2611

■ 44.3045, 0.2860,
0.2829

■ 7.2780, 0.2642,
0.2485

■ 61.0983, 0.2887,
0.2873

■ 3.6366, 0.2520,
0.2304

■ 81.6757, 0.2909,
0.2910

■ 1.4724, 0.2322,
0.2024

■ 106.4212, 0.2928,
0.2941

■ 0.2692, 0.1868,
0.1119

■ 135.7192, 0.2943,
0.2967

■ 0.0000, 0.0000,
0.0000

169.9540, 0.2957,

0.2990

209.5100, 0.2968,
0.3010

■ 20.5303, 0.2782,
0.2703

■ 20.5303, 0.2782,
0.2703

■ 15.9724, 0.2594,
0.2386

■ 25.8771, 0.2952,
0.2991

■ 12.1636, 0.2392,
0.2047

■ 32.0449, 0.3102,
0.3248

■ 9.0646, 0.2185,
0.1701

■ 39.0671, 0.3234,
0.3472

■ 6.6315, 0.1984,
0.1368

■ 46.9747, 0.3347,
0.3667

■ 4.8156, 0.1804,
0.1074

■ 55.7969, 0.3445,
0.3835

■ 3.5613, 0.1660,
0.0841

■ 65.5618, 0.3528,
0.3980

■ 2.8033, 0.1561,
0.0687

■ 76.2960, 0.3600,
0.4105

■ 2.4303, 0.1511,
0.0606

■ 88.0254, 0.3662,
0.4213

■ 95.1797, 0.3712,
0.4256

Harmonies

Analogous

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



20.5303, 0.2542, 0.2734



20.5303, 0.2782, 0.2703



20.5303, 0.3127, 0.2810

Triad

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



20.5303, 0.2782, 0.2703



20.5303, 0.3852, 0.3606



20.5303, 0.2758, 0.3568

Complementary

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



20.5303, 0.2782, 0.2703



32.1394, 0.3436, 0.3820

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.



20.5303, 0.3094, 0.3845



20.5303, 0.2782, 0.2703



20.5303, 0.3734, 0.3843

Square

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



20.5303, 0.2782, 0.2703



20.5303, 0.3763, 0.3311



20.5303, 0.3453, 0.3942



20.5303, 0.2528, 0.3216

Rectangle

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



20.5303, 0.2782, 0.2703



20.5303, 0.3374, 0.2945



20.5303, 0.3453, 0.3942



20.5303, 0.2862, 0.3675

Sweetspot

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



20.5311, 0.2782, 0.2703



52.0324, 0.3024, 0.3114



30.1182, 0.2811, 0.3280



11.3206, 0.3016, 0.3101



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.5311, 0.2782, 0.2703



33.2107, 0.2695, 0.2556



21.8549, 0.2964, 0.2733



6.4444, 0.2992, 0.3059



2.0051, 0.1513, 0.0607



0.0384, 0.1575, 0.0641

Inverse Universe

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



23.3493, 0.3163, 0.2779



39.2404, 0.3172, 0.2667



30.6153, 0.3263, 0.3850



6.7511, 0.3142, 0.3076



7.6701, 0.3285, 0.1583



0.1381, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 20.5303, 0.2782, 0.2703 looks on a white background.

Color Contrast Check

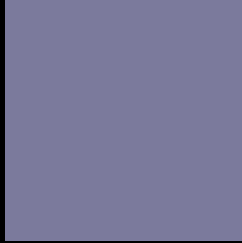
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5303, 0.2782, 0.2703 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 20.5303, 0.2782, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 20.5303, 0.2782, 0.2703.



This preview shows how white text looks on a background with the Yxy color 20.5303, 0.2782, 0.2703.

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

20.5303, 0.2782, 0.2703

Protanopia

20.6315, 0.2712, 0.2713

Deuteranopia

20.6312, 0.2762, 0.2717



Tritanopia

20.6212, 0.2940, 0.3107

Trichromacy



Original Color

20.5303, 0.2782, 0.2703

Protanomaly

20.5222, 0.2731, 0.2698

Deuteranomaly

20.7038, 0.2772, 0.2719

Tritanomaly

20.6435, 0.2879, 0.2966

Monochromacy



Original Color

20.5303, 0.2782, 0.2703

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8333, 0.2997, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5303, 0.2782, 0.2703 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(123, 122, 156)` looks like.

```
.text, #text, p{  
    color:rgb(123, 122, 156)  
}
```

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(123, 122, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 122, 156) }
```

Border

The CSS property to change the border of an element to Yxy 20.5303, 0.2782, 0.2703 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(123, 122, 156) }
```

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

```
.border{ border-color:rgb(123, 122, 156) }
```

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

Here you see how a box with a 4 pixel rgb(123, 122, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 122, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 122, 156);  
box-shadow:4px 4px 4px 4px rgb(123, 122,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5303, 0.2782, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 122, 156) }
```

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

```
.background{ background-color: rgb(123,  
122, 156) }
```

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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