

Converting Colors

$Y_{xy}(22.9468, 0.2633, 0.2546)$

Have a look what the booklet for
Yxy(22.9468, 0.2633, 0.2546)
contains.

Yxy(22.9675, 0.2633, 0.2556)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(22.9675, 0.2633, 0.2556)$

Conversions

Conversions Part 1

Format	Color
Hex	7B81AE
RGB	123, 129, 174
RGB Percent	48%, 51%, 68%
CMY	0.5176, 0.4941, 0.3176
CMYK	0.29, 0.26, 0.00, 0.32
HSL	233°, 24%, 58%
HSV	233°, 29%, 68%
XYZ	23.6594, 22.9675, 43.2303
YIQ	132.3360, -18.0210, 12.7230

Conversions

Conversions Part 2

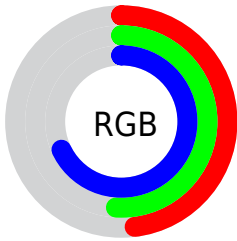
Format	Color
R _Y B	123, 128, 174
Decimal	8094126
CIE Lab	55.04, 8.33, -24.52
CIE LCh	55, 25.891, 288.758
Yxy	22.9675, 0.2633, 0.2556
Android (android.graphics.Color)	4286284206 (0xFF7B81AE)
YUV	132.3360, 20.5404, -8.1877
Hunter-Lab	47.9244, 4.2544, -19.9355

Details

The Yxy color $22.9675, 0.2633, 0.2556$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $38.4377, 0.3583, 0.3931$, and the grayscale version is $23.1322, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.5162, 0.2741, 0.2706$, and $8.4955, 0.2447, 0.2312$ is the 20% darker color. If you saturate the color by 10%, you get $18.0510, 0.2437, 0.2255$, and if you desaturate by 10%, it is $28.7218, 0.2817, 0.2834$.

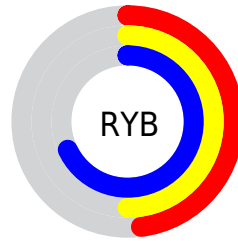
Distribution



Red (48%)

Green (51%)

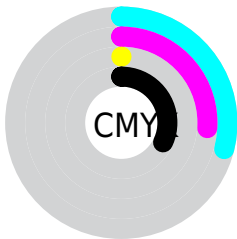
Blue (68%)



Red (48%)

Yellow (50%)

Blue (68%)

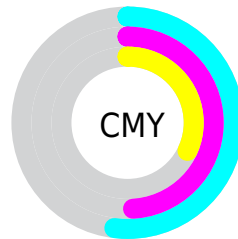


Cyan (29%)

Magenta (26%)

Yellow (0%)

Black (32%)



Cyan (52%)

Magenta (49%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9675, 0.2633, 0.2556 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 22.9675, 0.2633, 0.2556 by changing the saturation by 10% instead.

■ 22.9675, 0.2633,
0.2556

■ 22.9675, 0.2633,
0.2556

267.5580, 0.2907,
0.2951

■ 14.5695, 0.2555,
0.2448

■ 48.3400, 0.2739,
0.2706

■ 8.5178, 0.2449,
0.2305

■ 66.0832, 0.2777,
0.2761

■ 4.4280, 0.2297,
0.2106

■ 87.7104, 0.2809,
0.2806

■ 1.9158, 0.2066,
0.1813

113.6058, 0.2835,
0.2844

■ 0.5578, 0.1687,
0.1283

144.1538, 0.2857,
0.2877

■ 0.0000, 0.0000,
0.0000

179.7390, 0.2876,

0.2905

220.7456, 0.2893,
0.2929

■ 22.9675, 0.2633,
0.2556

■ 22.9675, 0.2633,
0.2556

■ 18.0510, 0.2437,
0.2255

■ 28.7218, 0.2817,
0.2834

■ 13.9306, 0.2236,
0.1938

■ 35.3478, 0.2985,
0.3083

■ 10.5648, 0.2040,
0.1619

■ 42.8807, 0.3137,
0.3304

■ 7.9074, 0.1860,
0.1317

■ 51.3529, 0.3272,
0.3498

■ 5.9071, 0.1709,
0.1051

■ 60.7955, 0.3391,
0.3666

■ 4.5054, 0.1599,
0.0842

■ 71.2379, 0.3495,
0.3811

■ 3.6191, 0.1529,
0.0698

■ 82.7082, 0.3587,
0.3936

■ 3.5721, 0.1525,
0.0690

■ 93.8404, 0.3617,
0.4058

■ 95.8360, 0.3608,
0.4086

Harmonies

Analogous

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



22.9675, 0.2367, 0.2618



22.9675, 0.2633, 0.2556



22.9675, 0.3046, 0.2664

Triad

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



22.9675, 0.2633, 0.2556



22.9675, 0.4043, 0.3615



22.9675, 0.2722, 0.3714

Complementary

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



22.9675, 0.2633, 0.2556



38.4377, 0.3583, 0.3931

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.



22.9675, 0.3154, 0.4041



22.9675, 0.2633, 0.2556



22.9675, 0.3929, 0.3936

Square

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



22.9675, 0.2633, 0.2556



22.9675, 0.3889, 0.3248



22.9675, 0.3598, 0.4112



22.9675, 0.2413, 0.3261

Rectangle

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



22.9675, 0.2633, 0.2556



22.9675, 0.3360, 0.2815



22.9675, 0.3598, 0.4112



22.9675, 0.2857, 0.3846

Sweetspot

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



22.9684, 0.2633, 0.2556



64.3041, 0.2988, 0.3087



37.2814, 0.2759, 0.3394



13.8867, 0.2965, 0.3053



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.9684, 0.2633, 0.2556



35.8575, 0.2510, 0.2368



22.9492, 0.2811, 0.2497



7.9032, 0.2986, 0.3084



2.6387, 0.1528, 0.0701



0.1202, 0.1630, 0.1068

Inverse Universe

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



24.7521, 0.3687, 0.3202



39.7807, 0.3860, 0.3183



38.7012, 0.3381, 0.4053



8.0301, 0.3269, 0.3264



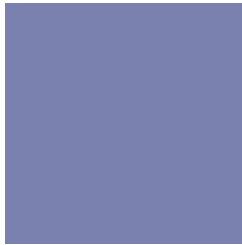
6.5694, 0.6231, 0.3206



0.1875, 0.5657, 0.2890

Previews

White Background



This preview shows how the Yxy color 22.9675, 0.2633, 0.2556 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 22.9675, 0.2633, 0.2556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

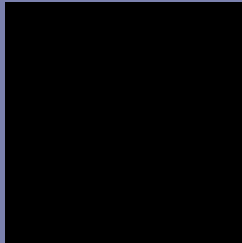
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9675, 0.2633, 0.2556

Background



This preview shows how black text looks on a background with the Yxy color 22.9675, 0.2633, 0.2556.



This preview shows how white text looks on a background with the Yxy color 22.9675, 0.2633, 0.2556.

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

22.9675, 0.2633, 0.2556

Protanopia

22.9823, 0.2590, 0.2551

Deuteranopia

23.0862, 0.2616, 0.2569



Tritanopia

22.8764, 0.2836, 0.3094

Trichromacy



Original Color

22.9675, 0.2633, 0.2556

Protanomaly

23.0535, 0.2599, 0.2553

Deuteranomaly

23.1588, 0.2625, 0.2571

Tritanomaly

22.8248, 0.2753, 0.2875

Monochromacy



Original Color

22.9675, 0.2633, 0.2556

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.0063, 0.2940, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9675, 0.2633, 0.2556 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, 129, 174)` looks like.

```
.text, #text, p{  
    color:rgb(123, 129, 174)  
}
```

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, 129, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 129, 174) }
```

Border

The CSS property to change the border of an element to Yxy 22.9675, 0.2633, 0.2556 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, 129, 174) }
```

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

```
.border{ border-color:rgb(123, 129, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 129, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 129, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 129, 174);  
box-shadow:4px 4px 4px 4px rgb(123, 129,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9675, 0.2633, 0.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 129, 174) }
```

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

```
.background{ background-color: rgb(123,  
129, 174) }
```

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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