

Converting Colors

$Y_{xy}(20.1231, 0.2448, 0.2472)$

Have a look what the booklet for
Yxy(20.1231, 0.2448, 0.2472)
contains.

Yxy(20.1223, 0.2448, 0.2472)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1223, 0.2448, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	657CAB
RGB	101, 124, 171
RGB Percent	40%, 49%, 67%
CMY	0.6038, 0.5137, 0.3295
CMYK	0.41, 0.27, 0.00, 0.33
HSL	220°, 29%, 53%
HSV	220°, 41%, 67%
XYZ	19.9269, 20.1223, 41.3517
YIQ	122.4810, -28.7950, 9.7410

Conversions

Conversions Part 2

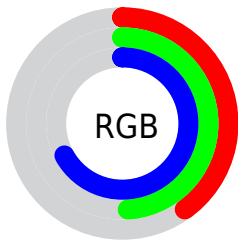
Format	Color
R_{YB}	101, 118, 171
Decimal	6651051
CIE _{Lab}	51.98, 4.04, -27.64
CIE _{LCh}	52, 27.930, 278.309
Yxy	20.1223, 0.2448, 0.2472
Android (android.graphics.Color)	4284841131 (0xFF657CAB)
YUV	122.4810, 23.9199, -18.8388
Hunter-Lab	44.8579, 0.7926, -23.2552

Details

The Yxy color **20.1223, 0.2448, 0.2472** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.7845, 0.3851, 0.3987**, and the grayscale version is **19.5575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4667, 0.2589, 0.2634**, and **7.0170, 0.2184, 0.2155** is the 20% darker color. If you saturate the color by 10%, you get **16.5229, 0.2271, 0.2227**, and if you desaturate by 10%, it is **24.2639, 0.2625, 0.2702**.

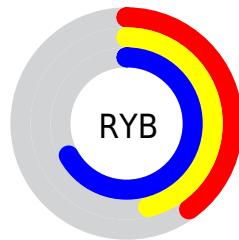
Distribution



Red (40%)

Green (49%)

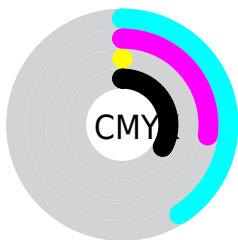
Blue (67%)



Red (40%)

Yellow (46%)

Blue (67%)

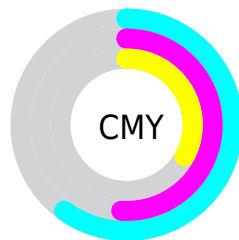


Cyan (41%)

Magenta (27%)

Yellow (0%)

Black (33%)



Cyan (60%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1223, 0.2448, 0.2472 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 20.1223, 0.2448, 0.2472 by changing the saturation by 10% instead.

■ 20.1223, 0.2448,
0.2472

■ 20.1223, 0.2448,
0.2472

252.5764, 0.2827,
0.2922

■ 12.4840, 0.2340,
0.2346

■ 43.6221, 0.2596,
0.2645

■ 7.0742, 0.2193,
0.2177

■ 60.2524, 0.2648,
0.2708

■ 3.5085, 0.1984,
0.1940

■ 80.6488, 0.2691,
0.2759

■ 1.4026, 0.1669,
0.1591

■ 105.1958, 0.2727,
0.2802

■ 0.2187, 0.0938,
0.0669

134.2776, 0.2758,
0.2839

■ 0.0000, 0.0000,
0.0000

168.2787, 0.2784,

0.2870

207.5835, 0.2807,
0.2898

■ 20.1223, 0.2448,
0.2472

■ 20.1223, 0.2448,
0.2472

■ 16.5229, 0.2271,
0.2227

■ 24.2639, 0.2625,
0.2702

■ 13.4393, 0.2101,
0.1973

■ 28.9681, 0.2797,
0.2914

■ 10.8457, 0.1945,
0.1719

■ 34.2570, 0.2961,
0.3105

■ 8.7130, 0.1811,
0.1476

■ 40.1505, 0.3114,
0.3276

■ 7.0084, 0.1706,
0.1253

■ 46.6679, 0.3256,
0.3427

■ 5.7791, 0.1632,
0.1076

■ 53.8273, 0.3385,
0.3559

■ 61.6462, 0.3504,
0.3675

■ 70.1413, 0.3611,
0.3776

■ 79.3288, 0.3709,
0.3864

Harmonies

Analogous

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



20.1223, 0.2224, 0.2606



20.1223, 0.2448, 0.2472



20.1223, 0.2858, 0.2532

Triad

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



20.1223, 0.2448, 0.2472



20.1223, 0.4135, 0.3504



20.1223, 0.2827, 0.3929

Complementary

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



20.1223, 0.2448, 0.2472



30.7845, 0.3851, 0.3987

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.



20.1223, 0.3331, 0.4207



20.1223, 0.2448, 0.2472



20.1223, 0.4106, 0.3894

Square

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



20.1223, 0.2448, 0.2472



20.1223, 0.3861, 0.3100



20.1223, 0.3803, 0.4171



20.1223, 0.2425, 0.3435

Rectangle

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



20.1223, 0.2448, 0.2472



20.1223, 0.3201, 0.2665



20.1223, 0.3803, 0.4171



20.1223, 0.2990, 0.4055

Sweetspot

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



20.1231, 0.2448, 0.2472



60.0676, 0.2940, 0.3081



34.0152, 0.2733, 0.3682



13.1214, 0.2920, 0.3058



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.1231, 0.2448, 0.2472



30.2243, 0.2289, 0.2253



15.7460, 0.2501, 0.2097



8.1706, 0.2986, 0.3133



4.4449, 0.1637, 0.1093



0.2252, 0.1815, 0.1732

Inverse Universe

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



19.4266, 0.3800, 0.2943



29.5124, 0.4028, 0.2871



37.4630, 0.3609, 0.4324



8.0571, 0.3237, 0.3216



6.7518, 0.5620, 0.2870



0.1981, 0.4767, 0.2400

Previews

White Background



This preview shows how the Yxy color 20.1223, 0.2448, 0.2472 looks on a white background.

Color Contrast Check

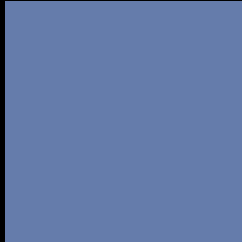
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1223, 0.2448, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

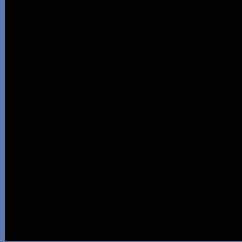
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

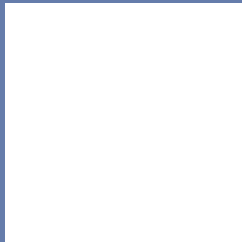
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1223, 0.2448, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 20.1223, 0.2448, 0.2472.

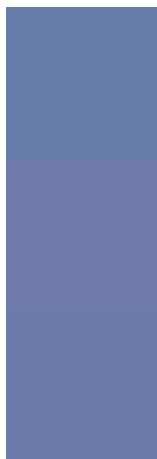


This preview shows how white text looks on a background with the Yxy color 20.1223, 0.2448, 0.2472.

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

20.1223, 0.2448, 0.2472

Protanopia

20.0986, 0.2538, 0.2482

Deuteranopia

20.0475, 0.2504, 0.2449



Tritanopia

20.1859, 0.2642, 0.3095

Trichromacy



Original Color

20.1223, 0.2448, 0.2472

Protanomaly

20.1940, 0.2505, 0.2479

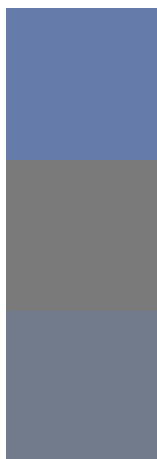
Deuteranomaly

20.1094, 0.2479, 0.2461

Tritanomaly

20.1595, 0.2571, 0.2859

Monochromacy



Original Color

20.1223, 0.2448, 0.2472

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.6368, 0.2842, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1223, 0.2448, 0.2472 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(101, 124, 171)` looks like.

```
.text, #text, p{  
    color:rgb(101, 124, 171)  
}
```

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(101, 124, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 124, 171) }
```

Border

The CSS property to change the border of an element to Yxy 20.1223, 0.2448, 0.2472 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(101, 124, 171) }
```

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

```
.border{ border-color:rgb(101, 124, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 124, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 124, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 124, 171);  
box-shadow:4px 4px 4px 4px rgb(101, 124,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1223, 0.2448, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 124, 171) }
```

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

```
.background{ background-color: rgb(101,  
124, 171) }
```

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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