

Converting Colors

$Y_{xy}(20.1020, 0.2471, 0.2444)$

Have a look what the booklet for
Yxy(20.1020, 0.2471, 0.2444)
contains.

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Color

Yxy(20.1477, 0.2472, 0.2447)

Conversions

Conversions Part 1

Format	Color
Hex	697BAC
RGB	105, 123, 172
RGB Percent	41%, 48%, 67%
CMY	0.5882, 0.5176, 0.3256
CMYK	0.39, 0.28, 0.00, 0.33
HSL	224°, 29%, 54%
HSV	224°, 39%, 67%
XYZ	20.3535, 20.1477, 41.8351
YIQ	123.2040, -26.4570, 11.4230

Conversions

Conversions Part 2

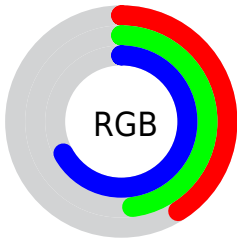
Format	Color
R _Y B	105, 119, 172
Decimal	6912940
CIE Lab	52.00, 6.02, -28.15
CIE LCh	52, 28.786, 282.066
Yxy	20.1477, 0.2472, 0.2447
Android (android.graphics.Color)	4285103020 (0xFF697BAC)
YUV	123.2040, 24.0564, -15.9649
Hunter-Lab	44.8862, 2.3896, -23.8395

Details

The Yxy color **20.1477, 0.2472, 0.2447** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.8926, 0.3790, 0.4007**, and the grayscale version is **19.8042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5305, 0.2609, 0.2615**, and **7.1483, 0.2235, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **16.2878, 0.2288, 0.2183**, and if you desaturate by 10%, it is **24.6206, 0.2654, 0.2695**.

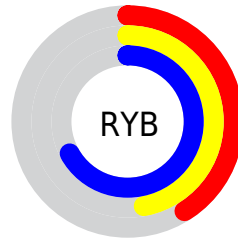
Distribution



Red (41%)

Green (48%)

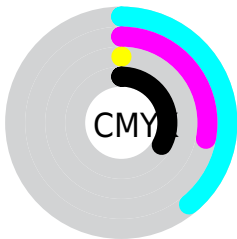
Blue (67%)



Red (41%)

Yellow (47%)

Blue (67%)

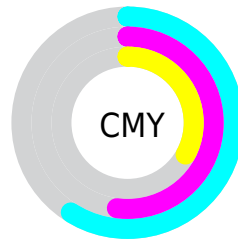


Cyan (39%)

Magenta (28%)

Yellow (0%)

Black (33%)



Cyan (59%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1477, 0.2472, 0.2447 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 20.1477, 0.2472, 0.2447 by changing the saturation by 10% instead.

■ 20.1477, 0.2472,
0.2447

■ 20.1477, 0.2472,
0.2447

252.7136, 0.2838,
0.2908

■ 12.5025, 0.2367,
0.2319

■ 43.6647, 0.2615,
0.2624

■ 7.0868, 0.2225,
0.2148

■ 60.3052, 0.2666,
0.2688

■ 3.5165, 0.2021,
0.1908

■ 80.7129, 0.2707,
0.2741

■ 1.4069, 0.1713,
0.1558

■ 105.2723, 0.2742,
0.2785

■ 0.2218, 0.1052,
0.0652

134.3676, 0.2772,
0.2823

■ 0.0000, 0.0000,
0.0000

168.3833, 0.2797,

0.2855

207.7039, 0.2819,
0.2884

■ 20.1477, 0.2472,
0.2447

■ 20.1477, 0.2472,
0.2447

■ 16.2878, 0.2288,
0.2183

■ 24.6206, 0.2654,
0.2695

■ 13.0106, 0.2108,
0.1909

■ 29.7302, 0.2828,
0.2922

■ 10.2866, 0.1942,
0.1637

■ 35.5018, 0.2991,
0.3126

■ 8.0827, 0.1798,
0.1378

■ 41.9585, 0.3143,
0.3308

■ 6.3613, 0.1684,
0.1147

■ 49.1223, 0.3280,
0.3468

■ 5.0668, 0.1601,
0.0954

■ 57.0141, 0.3405,
0.3608

■ 4.9491, 0.1593,
0.0935

■ 65.6542, 0.3518,
0.3730

■ 75.0617, 0.3619,
0.3836

■ 84.3363, 0.3675,
0.3937

Harmonies

Analogous

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



20.1477, 0.2217, 0.2557



20.1477, 0.2472, 0.2447



20.1477, 0.2913, 0.2532

Triad

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



20.1477, 0.2472, 0.2447



20.1477, 0.4179, 0.3560



20.1477, 0.2757, 0.3894

Complementary

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



20.1477, 0.2472, 0.2447



32.8926, 0.3790, 0.4007

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.



20.1477, 0.3269, 0.4219



20.1477, 0.2472, 0.2447



20.1477, 0.4109, 0.3953

Square

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



20.1477, 0.2472, 0.2447



20.1477, 0.3934, 0.3144



20.1477, 0.3767, 0.4218



20.1477, 0.2366, 0.3370

Rectangle

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



20.1477, 0.2472, 0.2447



20.1477, 0.3271, 0.2681



20.1477, 0.3767, 0.4218



20.1477, 0.2921, 0.4034

Sweetspot

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



20.1485, 0.2472, 0.2447



60.8614, 0.2939, 0.3062



34.8007, 0.2725, 0.3603



12.9397, 0.2919, 0.3037



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.



20.1485, 0.2472, 0.2447



30.2747, 0.2308, 0.2212



17.0404, 0.2571, 0.2172



8.0944, 0.2986, 0.3119



3.7636, 0.1598, 0.0952



0.1956, 0.1768, 0.1564

Inverse Universe

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



20.3026, 0.3812, 0.3019



31.2041, 0.4054, 0.2960



37.7325, 0.3555, 0.4286



8.0494, 0.3246, 0.3229



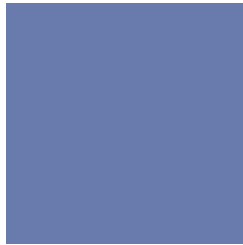
6.6830, 0.5831, 0.2986



0.1951, 0.4977, 0.2516

Previews

White Background



This preview shows how the Yxy color 20.1477, 0.2472, 0.2447 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 20.1477, 0.2472, 0.2447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

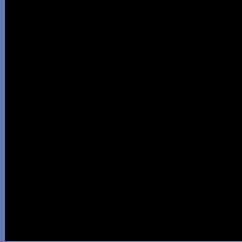
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

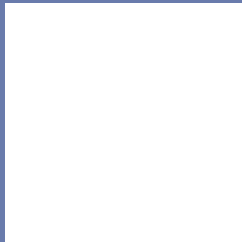
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1477, 0.2472, 0.2447

Background



This preview shows how black text looks on a background with the Yxy color 20.1477, 0.2472, 0.2447.

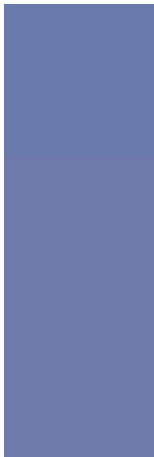


This preview shows how white text looks on a background with the Yxy color 20.1477, 0.2472, 0.2447.

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

20.1477, 0.2472, 0.2447

Protanopia

20.1106, 0.2513, 0.2451

Deuteranopia

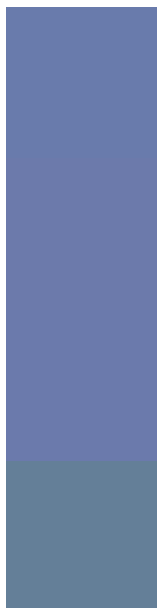
20.0858, 0.2496, 0.2435



Tritanopia

20.1354, 0.2677, 0.3078

Trichromacy



Original Color

20.1477, 0.2472, 0.2447

Protanomaly

20.0475, 0.2504, 0.2449

Deuteranomaly

20.0234, 0.2487, 0.2433

Tritanomaly

20.1551, 0.2597, 0.2827

Monochromacy



Original Color

20.1477, 0.2472, 0.2447

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8020, 0.2854, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1477, 0.2472, 0.2447 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(105, 123, 172)` looks like.

```
.text, #text, p{  
    color:rgb(105, 123, 172)  
}
```

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(105, 123, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 123, 172) }
```

Border

The CSS property to change the border of an element to Yxy 20.1477, 0.2472, 0.2447 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(105, 123, 172) }
```

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

```
.border{ border-color:rgb(105, 123, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 123, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 123, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 123, 172);  
box-shadow:4px 4px 4px 4px rgb(105, 123,  
172) }
```


Background

The CSS property to change the background color of an element to `rgb(20.1477, 0.2472, 0.2447)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 123, 172) }
```

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

```
.background{ background-color: rgb(105,  
123, 172) }
```

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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