

Converting Colors

$Y_{xy}(24.1970, 0.2551, 0.2547)$

Have a look what the booklet for
Yxy(24.1970, 0.2551, 0.2547)
contains.

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Color

Yxy(24.1970, 0.2551, 0.2547)

Conversions

Conversions Part 1

Format	Color
Hex	7686B4
RGB	118, 134, 180
RGB Percent	46%, 53%, 71%
CMY	0.5372, 0.4745, 0.2941
CMYK	0.34, 0.26, 0.00, 0.29
HSL	225°, 29%, 58%
HSV	225°, 34%, 71%
XYZ	24.2350, 24.1970, 46.5700
YIQ	134.4600, -24.3020, 10.9140

Conversions

Conversions Part 2

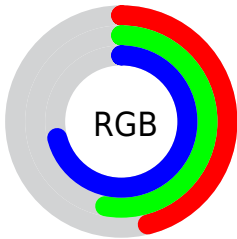
Format	Color
R_{YB}	118, 131, 180
Decimal	7767732
CIE _{Lab}	56.28, 5.49, -26.06
CIE _{LCh}	56, 26.631, 281.889
Yxy	24.1970, 0.2551, 0.2547
Android (android.graphics.Color)	4285957812 (0xFF7686B4)
YUV	134.4600, 22.4512, -14.4354
Hunter-Lab	49.1904, 1.8596, -21.6982

Details

The Yxy color $24.1970, 0.2551, 0.2547$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $37.5642, 0.3705, 0.3935$, and the grayscale version is $23.9418, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.3674, 0.2673, 0.2697$, and $9.2226, 0.2350, 0.2307$ is the 20% darker color. If you saturate the color by 10%, you get $19.5936, 0.2365, 0.2284$, and if you desaturate by 10%, it is $29.5091, 0.2731, 0.2791$.

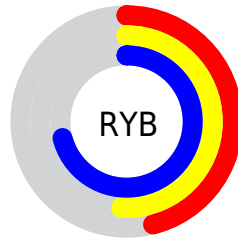
Distribution



Red (46%)

Green (53%)

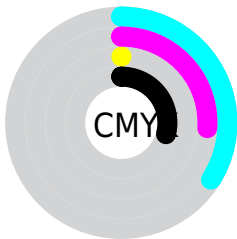
Blue (71%)



Red (46%)

Yellow (51%)

Blue (71%)

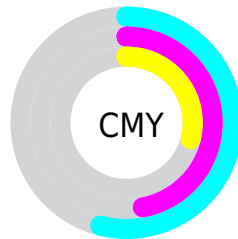


Cyan (34%)

Magenta (26%)

Yellow (0%)

Black (29%)



Cyan (54%)

Magenta (47%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1970, 0.2551, 0.2547 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 24.1970, 0.2551, 0.2547 by changing the saturation by 10% instead.

■ 24.1970, 0.2551,
0.2547

■ 24.1970, 0.2551,
0.2547

■ 273.8149, 0.2866,
0.2945

■ 15.4798, 0.2464,
0.2439

■ 50.3515, 0.2672,
0.2698

■ 9.1568, 0.2346,
0.2297

■ 68.5576, 0.2715,
0.2753

■ 4.8436, 0.2181,
0.2100

■ 90.6954, 0.2751,
0.2798

■ 2.1558, 0.1936,
0.1814

■ 117.1494, 0.2781,
0.2837

■ 0.6957, 0.1547,
0.1354

■ 148.3040, 0.2807,
0.2870

■ 0.0000, 0.0000,
0.0000

184.5435, 0.2829,

0.2898

226.2524, 0.2849,
0.2923

■ 24.1970, 0.2551,
0.2547

■ 24.1970, 0.2551,
0.2547

■ 19.5936, 0.2365,
0.2284

■ 29.5091, 0.2731,
0.2791

■ 15.6650, 0.2181,
0.2009

■ 35.5561, 0.2902,
0.3012

■ 12.3787, 0.2006,
0.1730

■ 42.3663, 0.3061,
0.3210

■ 9.6981, 0.1849,
0.1461

■ 49.9656, 0.3206,
0.3385

■ 7.5825, 0.1721,
0.1215

■ 58.3787, 0.3339,
0.3538

■ 5.9852, 0.1627,
0.1006

■ 67.6293, 0.3458,
0.3672

■ 5.2828, 0.1586,
0.0907

■ 77.7398, 0.3565,
0.3788

■ 87.3786, 0.3610,
0.3900

■ 95.5716, 0.3575,
0.4021

Harmonies

Analogous

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



24.1970, 0.2324, 0.2651



24.1970, 0.2551, 0.2547



24.1970, 0.2940, 0.2619

Triad

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



24.1970, 0.2551, 0.2547



24.1970, 0.4042, 0.3534



24.1970, 0.2810, 0.3812

Complementary

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



24.1970, 0.2551, 0.2547



37.5642, 0.3705, 0.3935

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.



24.1970, 0.3260, 0.4091



24.1970, 0.2551, 0.2547



24.1970, 0.3987, 0.3877

Square

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



24.1970, 0.2551, 0.2547



24.1970, 0.3827, 0.3164



24.1970, 0.3693, 0.4099



24.1970, 0.2462, 0.3367

Rectangle

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



24.1970, 0.2551, 0.2547



24.1970, 0.3253, 0.2752



24.1970, 0.3693, 0.4099



24.1970, 0.2954, 0.3932

Sweetspot

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



24.1979, 0.2551, 0.2547



69.5691, 0.2971, 0.3099



39.1539, 0.2757, 0.3546



14.6734, 0.2949, 0.3071



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



24.1979, 0.2551, 0.2547



37.6882, 0.2416, 0.2358



21.1988, 0.2657, 0.2317



8.5748, 0.2985, 0.3116



3.7818, 0.1591, 0.0927



0.2152, 0.1747, 0.1490

Inverse Universe

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



24.3837, 0.3715, 0.3060



38.5426, 0.3899, 0.3011



42.0052, 0.3500, 0.4175



8.5401, 0.3248, 0.3231



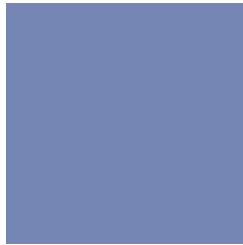
6.9219, 0.5870, 0.3007



0.2275, 0.5072, 0.2568

Previews

White Background



This preview shows how the Yxy color 24.1970, 0.2551, 0.2547 looks on a white background.

Color Contrast Check

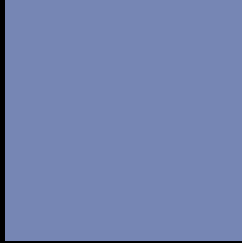
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1970, 0.2551, 0.2547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

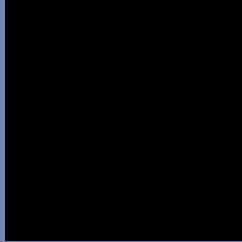
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

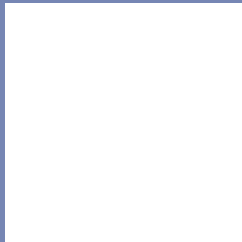
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.1970, 0.2551, 0.2547

Background



This preview shows how black text looks on a background with the Yxy color 24.1970, 0.2551, 0.2547.



This preview shows how white text looks on a background with the Yxy color 24.1970, 0.2551, 0.2547.

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

24.1970, 0.2551, 0.2547

Protanopia

24.1673, 0.2591, 0.2551

Deuteranopia

24.2813, 0.2593, 0.2539



Tritanopia

24.0791, 0.2731, 0.3077

Trichromacy



Original Color

24.1970, 0.2551, 0.2547

Protanomaly

24.0947, 0.2583, 0.2549

Deuteranomaly

24.1353, 0.2575, 0.2535

Tritanomaly

24.0774, 0.2663, 0.2862

Monochromacy



Original Color

24.1970, 0.2551, 0.2547

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8738, 0.2893, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1970, 0.2551, 0.2547 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(118, 134, 180)` looks like.

```
.text, #text, p{  
    color:rgb(118, 134, 180)  
}
```

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(118, 134, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 134, 180) }
```

Border

The CSS property to change the border of an element to Yxy 24.1970, 0.2551, 0.2547 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(118, 134, 180) }
```

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

```
.border{ border-color:rgb(118, 134, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 134, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 134, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 134, 180);  
box-shadow:4px 4px 4px 4px rgb(118, 134,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1970, 0.2551, 0.2547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 134, 180) }
```

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

```
.background{ background-color: rgb(118,  
134, 180) }
```

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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