

Converting Colors

$Y_{xy}(11.3185, 0.2532, 0.2494)$

Have a look what the booklet for
Yxy(11.3185, 0.2532, 0.2494)
contains.

Yxy(11.2794, 0.2531, 0.2480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.2794, 0.2531, 0.2480)

Conversions

Conversions Part 1

Format	Color
Hex	535D82
RGB	83, 93, 130
RGB Percent	33%, 36%, 51%
CMY	0.6745, 0.6353, 0.4902
CMYK	0.36, 0.28, 0.00, 0.49
HSL	227°, 22%, 42%
HSV	227°, 36%, 51%
XYZ	11.5114, 11.2794, 22.6907
YIQ	94.2280, -17.8370, 9.3870

Conversions

Conversions Part 2

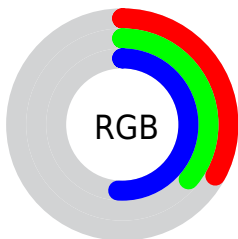
Format	Color
R_{YB}	83, 91, 130
Decimal	5463426
CIE _{Lab}	40.05, 5.80, -21.94
CIE _{LCh}	40, 22.695, 284.803
Yxy	11.2794, 0.2531, 0.2480
Android (android.graphics.Color)	4283653506 (0xFF535D82)
YUV	94.2280, 17.6356, -9.8470
Hunter-Lab	33.5848, 2.4083, -16.5484

Details

The Yxy color **11.2794, 0.2531, 0.2480** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.8062, 0.3706, 0.3986**, and the grayscale version is **11.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1322, 0.2684, 0.2677**, and **2.9695, 0.2236, 0.2103** is the 20% darker color. If you saturate the color by 10%, you get **9.0646, 0.2346, 0.2208**, and if you desaturate by 10%, it is **13.8465, 0.2711, 0.2734**.

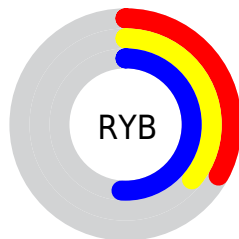
Distribution



Red (33%)

Green (36%)

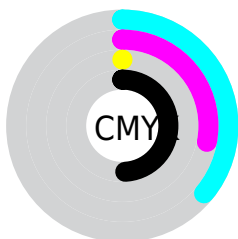
Blue (51%)



Red (33%)

Yellow (36%)

Blue (51%)

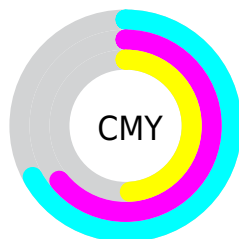


Cyan (36%)

Magenta (28%)

Yellow (0%)

Black (49%)



Cyan (67%)

Magenta (64%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.2794, 0.2531, 0.2480 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 11.2794, 0.2531, 0.2480 by changing the saturation by 10% instead.

■ 11.2794, 0.2531,
0.2480

■ 11.2794, 0.2531,
0.2480

■ 199.5745, 0.2894,
0.2962

■ 6.2551, 0.2410,
0.2325

■ 28.1757, 0.2683,
0.2678

■ 3.0008, 0.2230,
0.2102

■ 40.8164, 0.2734,
0.2745

■ 1.1322, 0.1940,
0.1755

■ 56.7648, 0.2774,
0.2799

■ 0.0052, 0.0808,
0.0029

■ 76.4052, 0.2807,
0.2843

■ 0.0000, 0.0000,
0.0000

■ 100.1219, 0.2834,
0.2880

128.2995, 0.2857,

0.2912

161.3222, 0.2877,
0.2939

■ 11.2794, 0.2531,
0.2480

■ 11.2794, 0.2531,
0.2480

■ 9.0646, 0.2346,
0.2208

■ 13.8465, 0.2711,
0.2734

■ 7.1852, 0.2161,
0.1924

■ 16.7793, 0.2880,
0.2966

■ 5.6245, 0.1986,
0.1641

■ 20.0922, 0.3037,
0.3174

■ 4.3642, 0.1829,
0.1370

■ 23.7981, 0.3181,
0.3358

■ 3.3837, 0.1701,
0.1128

■ 27.9095, 0.3310,
0.3520

■ 2.6549, 0.1605,
0.0927

■ 32.4385, 0.3427,
0.3662

■ 2.4256, 0.1572,
0.0860

■ 37.3963, 0.3531,
0.3786

■ 42.7940, 0.3624,
0.3894

■ 48.6422, 0.3707,
0.3987

Harmonies

Analogous

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



11.2794, 0.2266, 0.2570



11.2794, 0.2531, 0.2480



11.2794, 0.2968, 0.2577

Triad

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



11.2794, 0.2531, 0.2480



11.2794, 0.4140, 0.3589



11.2794, 0.2734, 0.3825

Complementary

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



11.2794, 0.2531, 0.2480



18.8062, 0.3706, 0.3986

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.



11.2794, 0.3219, 0.4160



11.2794, 0.2531, 0.2480



11.2794, 0.4048, 0.3959

Square

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



11.2794, 0.2531, 0.2480



11.2794, 0.3931, 0.3187



11.2794, 0.3703, 0.4190



11.2794, 0.2372, 0.3321

Rectangle

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



11.2794, 0.2531, 0.2480



11.2794, 0.3314, 0.2730



11.2794, 0.3703, 0.4190



11.2794, 0.2887, 0.3965

Sweetspot

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



11.2798, 0.2531, 0.2480



32.3223, 0.2959, 0.3071



19.1573, 0.2729, 0.3502



7.1724, 0.2942, 0.3048



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



11.2798, 0.2531, 0.2480



16.7602, 0.2386, 0.2268



10.3036, 0.2677, 0.2302



4.3486, 0.2993, 0.3115



2.3344, 0.1573, 0.0862



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7240, 0.3770, 0.3096



17.8657, 0.3979, 0.3054



20.3513, 0.3478, 0.4203



4.3581, 0.3248, 0.3244



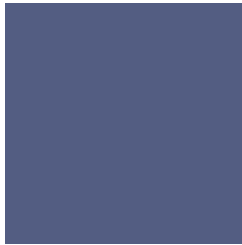
4.6302, 0.5970, 0.3063



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.2794, 0.2531, 0.2480 looks on a white 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

Black Background



This preview shows how the Yxy color 11.2794, 0.2531, 0.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

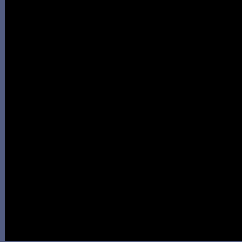
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

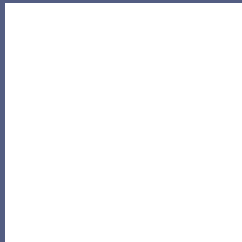
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.2794, 0.2531, 0.2480

Background



This preview shows how black text looks on a background with the Yxy color 11.2794, 0.2531, 0.2480.



This preview shows how white text looks on a background with the Yxy color 11.2794, 0.2531, 0.2480.

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

11.2794, 0.2531, 0.2480

Protanopia

11.2794, 0.2531, 0.2480

Deuteranopia

11.2794, 0.2531, 0.2480



Tritanopia

11.3331, 0.2746, 0.3119

Trichromacy



Original Color

11.2794, 0.2531, 0.2480

Protanomaly

11.2794, 0.2531, 0.2480

Deuteranomaly

11.2794, 0.2531, 0.2480

Tritanomaly

11.2429, 0.2663, 0.2866

Monochromacy



Original Color

11.2794, 0.2531, 0.2480

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2406, 0.2890, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2794, 0.2531, 0.2480 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(83, 93, 130)` looks like.

```
.text, #text, p{  
    color:rgb(83, 93, 130)  
}
```

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(83, 93, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 93, 130) }
```

Border

The CSS property to change the border of an element to Yxy 11.2794, 0.2531, 0.2480 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(83, 93, 130) }
```

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

```
.border{ border-color:rgb(83, 93, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 93, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 93, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 93, 130);  
box-shadow:4px 4px 4px 4px rgb(83, 93,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2794, 0.2531, 0.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 93, 130) }
```

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

```
.background{ background-color: rgb(83, 93,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor