

Converting Colors

$Y_{xy}(10.5830, 0.1663, 0.0831)$

Have a look what the booklet for
Yxy(10.5830, 0.1663, 0.0831)
contains.

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Color

Yxy(10.5798, 0.1662, 0.0831)

Conversions

Conversions Part 1

Format	Color
Hex	3D33FF
RGB	61, 51, 255
RGB Percent	24%, 20%, 100%
CMY	0.7611, 0.8000, 0.0000
CMYK	0.76, 0.80, 0.00, 0.00
HSL	243°, 100%, 60%
HSV	243°, 80%, 100%
XYZ	21.1596, 10.5798, 95.5747
YIQ	77.2460, -59.5240, 65.5640

Conversions

Conversions Part 2

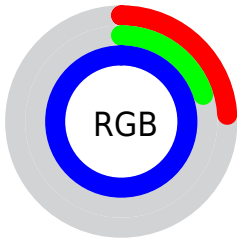
Format	Color
R _Y B	61, 51, 255
Decimal	4011007
CIE Lab	38.86, 66.55, -96.90
CIE LCh	39, 117.557, 304.482
Yxy	10.5798, 0.1662, 0.0831
Android (android.graphics.Color)	4282201087 (0xFF3D33FF)
YUV	77.2460, 87.6327, -14.2477
Hunter-Lab	32.5266, 59.1984, -151.4464

Details

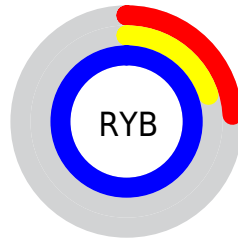
The Yxy color **10.5798, 0.1662, 0.0831** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **91.1877, 0.4067, 0.5009**, and the grayscale version is **7.3069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.4095, 0.2191, 0.1464**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.3236, 0.1562, 0.0678**, and if you desaturate by 10%, it is **14.3973, 0.1811, 0.1067**.

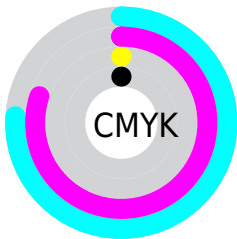
Distribution



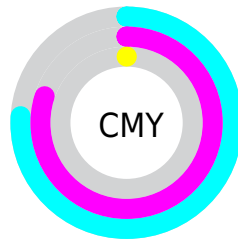
- Red (24%)
- Green (20%)
- Blue (100%)



- Red (24%)
- Yellow (20%)
- Blue (100%)



- Cyan (76%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (76%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5798, 0.1662, 0.0831 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 10.5798, 0.1662, 0.0831 by changing the saturation by 10% instead.


 10.5798, 0.1662,
0.0831


 10.5798, 0.1662,
0.0831

194.7616, 0.2477,
0.1923


 5.7850, 0.1465,
0.0635


 26.8805, 0.1960,
0.1175


 2.7148, 0.1227,
0.0430


 39.1552, 0.2073,
0.1321


 0.9847, 0.0946,
0.0234

 54.6920, 0.2168,
0.1451

 0.0000, 0.0634,
0.0000

 73.8753, 0.2249,
0.1567

 0.0000, 0.0277,
0.0000

 97.0896, 0.2319,
0.1671

 0.0000, 0.0000,
0.0000

 124.7191, 0.2379,

0.1764

157.1483, 0.2431,
0.1848

■ 10.5798, 0.1662,
0.0831

■ 10.5798, 0.1662,
0.0831

■ 8.3236, 0.1562,
0.0678

■ 14.3973, 0.1811,
0.1067

■ 7.3010, 0.1510,
0.0606

■ 20.0013, 0.1996,
0.1369

■ 27.5712, 0.2203,
0.1711

■ 37.2667, 0.2414,
0.2067

■ 49.2312, 0.2619,
0.2414

■ 63.5956, 0.2808,
0.2738

■ 80.4808, 0.2978,
0.3031

99.9995, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



10.5798, 0.0746, 0.0700



10.5798, 0.1662, 0.0831



10.5798, 0.3690, 0.1277

Triad

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



10.5798, 0.1662, 0.0831



10.5798, 0.6298, 0.3702



10.5798, 0.0477, 0.3906

Complementary

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



10.5798, 0.1662, 0.0831



91.1877, 0.4067, 0.5009

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.



10.5798, 0.1256, 0.7883



10.5798, 0.1662, 0.0831



10.5798, 0.4577, 0.5423

Square

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



10.5798, 0.1662, 0.0831



10.5798, 0.7264, 0.2728



10.5798, 0.2607, 0.7393



10.5798, 0.0297, 0.1520

Rectangle

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



10.5798, 0.1662, 0.0831



10.5798, 0.5567, 0.1754



10.5798, 0.2607, 0.7393



10.5798, 0.0657, 0.5360

Sweetspot

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



10.5768, 0.1662, 0.0831



57.5543, 0.2735, 0.2612



75.1816, 0.2262, 0.3205



11.2385, 0.2667, 0.2496



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



10.5768, 0.1662, 0.0831



7.6130, 0.1526, 0.0628



17.0406, 0.2294, 0.1160



17.4198, 0.2986, 0.3045



3.8326, 0.1514, 0.0608



0.3873, 0.1548, 0.0627

Inverse Universe

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



30.2257, 0.3304, 0.1695



27.9590, 0.3331, 0.1618



77.8883, 0.3403, 0.5494



18.2842, 0.3146, 0.3067



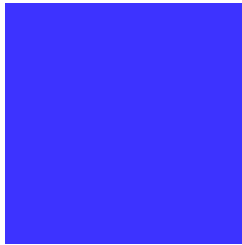
14.4845, 0.3335, 0.1611



1.4148, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 10.5798, 0.1662, 0.0831 looks on a white background.

Color Contrast Check

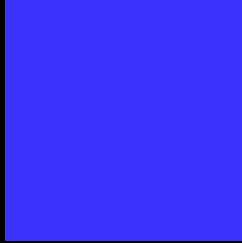
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5798, 0.1662, 0.0831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

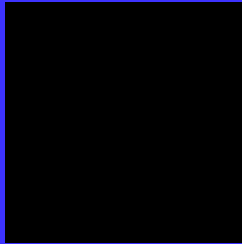
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5798, 0.1662, 0.0831

Background



This preview shows how black text looks on a background with the Yxy color 10.5798, 0.1662, 0.0831.



This preview shows how white text looks on a background with the Yxy color 10.5798, 0.1662, 0.0831.

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

10.5798, 0.1662, 0.0831

Protanopia

10.2353, 0.1750, 0.1498

Deuteranopia

10.2290, 0.1869, 0.1928



Tritanopia

10.1550, 0.2200, 0.3122

Trichromacy



Original Color

10.5798, 0.1662, 0.0831

Protanomaly

9.6716, 0.1673, 0.1133

Deuteranomaly

9.4251, 0.1721, 0.1291

Tritanomaly

8.7432, 0.1833, 0.1654

Monochromacy



Original Color

10.5798, 0.1662, 0.0831

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.4268, 0.2195, 0.1707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5798, 0.1662, 0.0831 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(61, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 51, 255)  
}
```

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(61, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.5798, 0.1662, 0.0831 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(61, 51, 255) }
```

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

```
.border{ border-color:rgb(61, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(61, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5798, 0.1662, 0.0831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 51, 255) }
```

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

```
.background{ background-color: rgb(61, 51,  
255) }
```

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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