

Converting Colors

$Y_{xy}(26.0831, 0.2157, 0.1662)$

Have a look what the booklet for
Yxy(26.0831, 0.2157, 0.1662)
contains.

Yxy(26.0831, 0.2157, 0.1662)	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(26.0831, 0.2157, 0.1662)

Conversions

Conversions Part 1

Format	Color
Hex	7F7CFE
RGB	127, 124, 254
RGB Percent	50%, 49%, 100%
CMY	0.5018, 0.5137, 0.0040
CMYK	0.50, 0.51, 0.00, 0.00
HSL	241°, 98%, 74%
HSV	241°, 51%, 100%
XYZ	33.8515, 26.0831, 97.0034
YIQ	139.7170, -39.9420, 41.0660

Conversions

Conversions Part 2

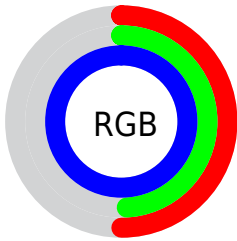
Format	Color
RYB	127, 124, 254
Decimal	8355070
CIELab	58.12, 34.95, -64.66
CIElCh	58, 73.502, 298.395
Yxy	26.0831, 0.2157, 0.1662
Android (android.graphics.Color)	4286545150 (0xFF7F7CFE)
YUV	139.7170, 56.3415, -11.1528
Hunter-Lab	51.0716, 28.9389, -76.8629

Details

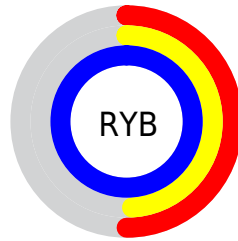
The Yxy color **26.0831, 0.2157, 0.1662** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **92.8269, 0.3855, 0.4539**, and the grayscale version is **25.9025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1034, 0.2643, 0.2403**, and **10.1077, 0.1868, 0.1294** is the 20% darker color. If you saturate the color by 10%, you get **18.8409, 0.1951, 0.1321**, and if you desaturate by 10%, it is **35.4347, 0.2372, 0.2020**.

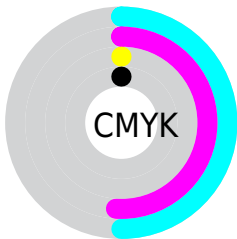
Distribution



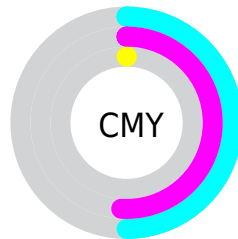
- Red (50%)
- Green (49%)
- Blue (100%)



- Red (50%)
- Yellow (49%)
- Blue (100%)



- Cyan (50%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.0831, 0.2157, 0.1662 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 26.0831, 0.2157, 0.1662 by changing the saturation by 10% instead.


 26.0831, 0.2157,
0.1662

 26.0831, 0.2157,
0.1662

283.1898, 0.2668,
0.2429


 16.8858, 0.2030,
0.1494


 53.4090, 0.2344,
0.1925

 10.1531, 0.1870,
0.1294


 72.3064, 0.2414,
0.2028

 5.5006, 0.1665,
0.1056


 95.2059, 0.2473,
0.2118

 2.5439, 0.1400,
0.0777

122.4920, 0.2524,
0.2196

 0.8985, 0.1058,
0.0467

154.5490, 0.2567,
0.2265

 0.0000, 0.0639,
0.0000

191.7614, 0.2605,

 0.0000, 0.0000,

0.2326

0.0000

234.5135, 0.2639,
0.2380

■ 26.0831, 0.2157,
0.1662

■ 26.0831, 0.2157,
0.1662

■ 18.8409, 0.1951,
0.1321

■ 35.4347, 0.2372,
0.2020

■ 13.5419, 0.1770,
0.1025

■ 47.0394, 0.2582,
0.2371

■ 9.9993, 0.1631,
0.0800

■ 61.0315, 0.2778,
0.2700

■ 7.9885, 0.1542,
0.0660

■ 77.5337, 0.2954,
0.2998

■ 7.1933, 0.1505,
0.0603

■ 96.6608, 0.3110,
0.3261

99.9348, 0.3133,
0.3300

Harmonies

Analogous

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



26.0831, 0.1507, 0.1617



26.0831, 0.2157, 0.1662



26.0831, 0.3235, 0.1990

Triad

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



26.0831, 0.2157, 0.1662



26.0831, 0.5389, 0.4029



26.0831, 0.1756, 0.4047

Complementary

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



26.0831, 0.2157, 0.1662



92.8269, 0.3855, 0.4539

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.



26.0831, 0.2649, 0.5361



26.0831, 0.2157, 0.1662



26.0831, 0.4721, 0.4872

Square

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



26.0831, 0.2157, 0.1662



26.0831, 0.5382, 0.3258



26.0831, 0.3724, 0.5547



26.0831, 0.1293, 0.2680

Rectangle

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



26.0831, 0.2157, 0.1662



26.0831, 0.4104, 0.2347



26.0831, 0.3724, 0.5547



26.0831, 0.2013, 0.4556

Sweetspot

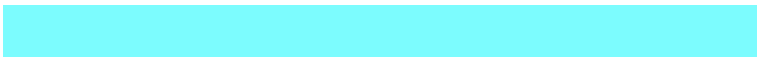
The Sweet Spot groups the original color and five complimentary colors.



26.0839, 0.2157, 0.1662



71.5680, 0.2889, 0.2888



80.9465, 0.2457, 0.3263



14.5657, 0.2852, 0.2825



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.



26.0839, 0.2157, 0.1662



19.1185, 0.1954, 0.1327



32.6653, 0.2636, 0.1847



17.3981, 0.2982, 0.3044



3.8015, 0.1507, 0.0604



0.3770, 0.1523, 0.0613

Inverse Universe

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



42.4429, 0.3212, 0.2082



37.2565, 0.3227, 0.1902



82.8719, 0.3415, 0.4754



18.2926, 0.3142, 0.3061



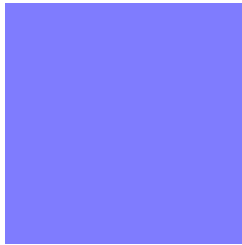
14.6866, 0.3269, 0.1574



1.4322, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 26.0831, 0.2157, 0.1662 looks on a white background.

Color Contrast Check

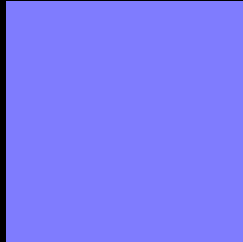
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.0831, 0.2157, 0.1662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

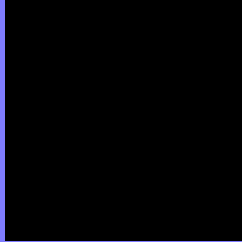
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.0831, 0.2157, 0.1662

Background



This preview shows how black text looks on a background with the Yxy color 26.0831, 0.2157, 0.1662.



This preview shows how white text looks on a background with the Yxy color 26.0831, 0.2157, 0.1662.

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

26.0831, 0.2157, 0.1662

Protanopia

26.1676, 0.1937, 0.1698

Deuteranopia

26.4548, 0.1848, 0.1789



Tritanopia

25.9673, 0.2576, 0.3078

Trichromacy



Original Color

26.0831, 0.2157, 0.1662

Protanomaly

25.9394, 0.2001, 0.1674

Deuteranomaly

25.3171, 0.1895, 0.1710

Tritanomaly

25.6115, 0.2395, 0.2427

Monochromacy



Original Color

26.0831, 0.2157, 0.1662

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.5373, 0.2696, 0.2563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0831, 0.2157, 0.1662 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(127, 124, 254)` looks like.

```
.text, #text, p{  
    color:rgb(127, 124, 254)  
}
```

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(127, 124, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 124, 254) }
```

Border

The CSS property to change the border of an element to Yxy 26.0831, 0.2157, 0.1662 is called "border". The border property can be set on classes, ids or directly on the HTML element.

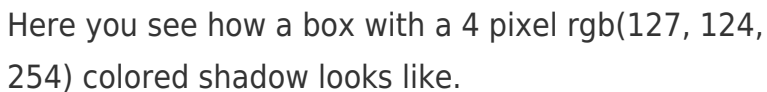
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 124, 254) }
```

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

```
.border{ border-color:rgb(127, 124, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 124, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 124, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 124, 254);  
box-shadow:4px 4px 4px 4px rgb(127, 124,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 26.0831, 0.2157, 0.1662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 124, 254) }
```

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

```
.background{ background-color: rgb(127,  
124, 254) }
```

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