

Converting Colors

$Y_{xy}(25.6610, 0.1891, 0.1230)$

Have a look what the booklet for
Yxy(25.6610, 0.1891, 0.1230)
contains.

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Color

Yxy(22.1663, 0.2043, 0.1477)

Conversions

Conversions Part 1

Format	Color
Hex	726FFF
RGB	114, 111, 255
RGB Percent	45%, 44%, 100%
CMY	0.5533, 0.5645, 0.0001
CMYK	0.55, 0.56, 0.00, 0.00
HSL	241°, 100%, 72%
HSV	241°, 56%, 100%
XYZ	30.6606, 22.1663, 97.2496
YIQ	128.3130, -44.4360, 45.4200

Conversions

Conversions Part 2

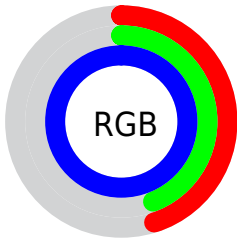
Format	Color
R _Y B	114, 111, 255
Decimal	7499775
CIE Lab	54.20, 40.31, -71.57
CIE LCh	54, 82.141, 299.393
Yxy	22.1663, 0.2043, 0.1477
Android (android.graphics.Color)	4285689855 (0xFF726FFF)
YUV	128.3130, 62.4567, -12.5525
Hunter-Lab	47.0811, 33.8526, -89.5112

Details

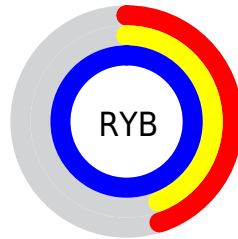
The Yxy color **22.1663, 0.2043, 0.1477** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.3700, 0.3919, 0.4643**, and the grayscale version is **21.4883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5283, 0.2548, 0.2220**, and **8.0998, 0.1721, 0.1085** is the 20% darker color. If you saturate the color by 10%, you get **15.9207, 0.1848, 0.1156**, and if you desaturate by 10%, it is **30.4584, 0.2256, 0.1829**.

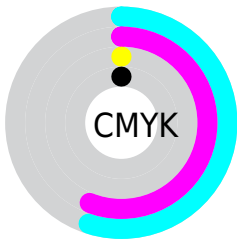
Distribution



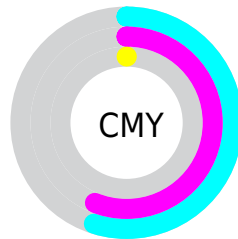
- Red (45%)
- Green (44%)
- Blue (100%)



- Red (45%)
- Yellow (44%)
- Blue (100%)



- Cyan (55%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1663, 0.2043, 0.1477 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 22.1663, 0.2043, 0.1477 by changing the saturation by 10% instead.


 22.1663, 0.2043,
0.1477

 22.1663, 0.2043,
0.1477


263.4135, 0.2620,
0.2325

 13.9791, 0.1900,
0.1296


 47.0207, 0.2255,
0.1764

 8.1062, 0.1720,
0.1084


 64.4567, 0.2334,
0.1879

 4.1630, 0.1493,
0.0839


 85.7445, 0.2401,
0.1978

 1.7651, 0.1206,
0.0565

 111.2685, 0.2458,
0.2066

 0.4653, 0.0853,
0.0252

141.4129, 0.2507,
0.2142

 0.0000, 0.0373,
0.0000

176.5623, 0.2550,

 0.0000, 0.0000,

0.2210

0.0000

217.1011, 0.2587,
0.2271

■ 22.1663, 0.2043,
0.1477

■ 22.1663, 0.2043,
0.1477

■ 15.9207, 0.1848,
0.1156

■ 30.4584, 0.2256,
0.1829

■ 11.5422, 0.1688,
0.0895

■ 40.9517, 0.2470,
0.2187

■ 8.8240, 0.1576,
0.0714

■ 53.7884, 0.2675,
0.2529

■ 7.5078, 0.1516,
0.0621

■ 69.0981, 0.2863,
0.2845

■ 7.2512, 0.1504,
0.0602

■ 87.0011, 0.3030,
0.3127

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



22.1663, 0.1329, 0.1410



22.1663, 0.2043, 0.1477



22.1663, 0.3282, 0.1839

Triad

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



22.1663, 0.2043, 0.1477



22.1663, 0.5652, 0.4032



22.1663, 0.1511, 0.4110

Complementary

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



22.1663, 0.2043, 0.1477



93.3700, 0.3919, 0.4643

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.



22.1663, 0.2469, 0.5770



22.1663, 0.2043, 0.1477



22.1663, 0.4807, 0.5014

Square

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



22.1663, 0.2043, 0.1477



22.1663, 0.5760, 0.3205



22.1663, 0.3655, 0.5906



22.1663, 0.1057, 0.2499

Rectangle

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



22.1663, 0.2043, 0.1477



22.1663, 0.4311, 0.2231



22.1663, 0.3655, 0.5906



22.1663, 0.1780, 0.4752

Sweetspot

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



22.1670, 0.2043, 0.1477



68.2054, 0.2853, 0.2828



80.5844, 0.2411, 0.3260



13.9026, 0.2817, 0.2767



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.



22.1670, 0.2043, 0.1477



15.1280, 0.1821, 0.1111



28.9611, 0.2569, 0.1697



17.3950, 0.2981, 0.3044



3.7971, 0.1506, 0.0603



0.3755, 0.1520, 0.0611

Inverse Universe

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



39.6686, 0.3215, 0.1977



34.2343, 0.3231, 0.1792



82.4299, 0.3429, 0.4908



18.2938, 0.3141, 0.3060



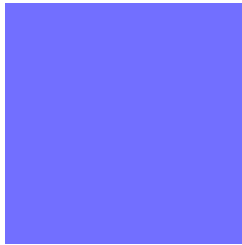
14.7158, 0.3259, 0.1569



1.4347, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 22.1663, 0.2043, 0.1477 looks on a white background.

Color Contrast Check

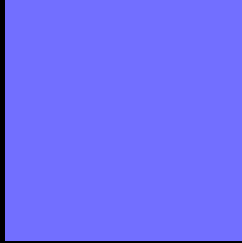
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1663, 0.2043, 0.1477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

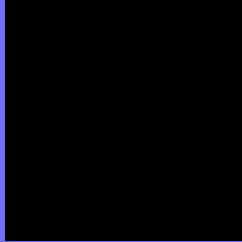
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1663, 0.2043, 0.1477

Background



This preview shows how black text looks on a background with the Yxy color 22.1663, 0.2043, 0.1477.

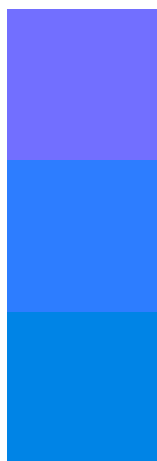


This preview shows how white text looks on a background with the Yxy color 22.1663, 0.2043, 0.1477.

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

22.1663, 0.2043, 0.1477

Protanopia

22.4451, 0.1807, 0.1533

Deuteranopia

22.2157, 0.1836, 0.1810



Tritanopia

22.1631, 0.2450, 0.3078

Trichromacy



Original Color

22.1663, 0.2043, 0.1477

Protanomaly

21.9550, 0.1861, 0.1497

Deuteranomaly

21.1187, 0.1833, 0.1633

Tritanomaly

21.4552, 0.2260, 0.2304

Monochromacy



Original Color

22.1663, 0.2043, 0.1477

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1860, 0.2620, 0.2438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1663, 0.2043, 0.1477 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(114, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 111, 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(114, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 111, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.1663, 0.2043, 0.1477 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(114, 111, 255) }
```

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

```
.border{ border-color:rgb(114, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 111,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1663, 0.2043, 0.1477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 111, 255) }
```

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

```
.background{ background-color: rgb(114,  
111, 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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