

Converting Colors

$Yxy(21.9041, 0.2030, 0.1476)$

Have a look what the booklet for
Yxy(21.9041, 0.2030, 0.1476)
contains.

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Color

Yxy(21.9041, 0.2030, 0.1476)

Conversions

Conversions Part 1

Format	Color
Hex	6F6FFE
RGB	111, 111, 254
RGB Percent	44%, 44%, 100%
CMY	0.5646, 0.5647, 0.0041
CMYK	0.56, 0.56, 0.00, 0.00
HSL	240°, 99%, 72%
HSV	240°, 56%, 100%
XYZ	30.1256, 21.9041, 96.3721
YIQ	127.3020, -45.9030, 44.4730

Conversions

Conversions Part 2

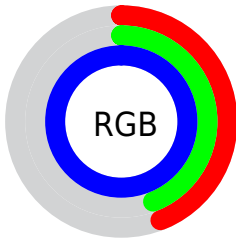
Format	Color
R _Y B	111, 111, 254
Decimal	7303166
CIE _{Lab}	53.93, 39.51, -71.47
CIE _{LCh}	54, 81.658, 298.933
Y _{xy}	21.9041, 0.2030, 0.1476
Android (android.graphics.Color)	4285493246 (0xFF6F6FFE)
YUV	127.3020, 62.4621, -14.2969
Hunter-Lab	46.8018, 32.9943, -89.3259

Details

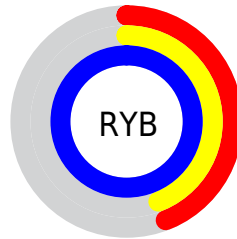
The Yxy color **21.9041, 0.2030, 0.1476** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.0669, 0.3937, 0.4629**, and the grayscale version is **21.1282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1850, 0.2527, 0.2214**, and **7.9526, 0.1704, 0.1081** is the 20% darker color. If you saturate the color by 10%, you get **15.7078, 0.1835, 0.1154**, and if you desaturate by 10%, it is **30.1446, 0.2244, 0.1830**.

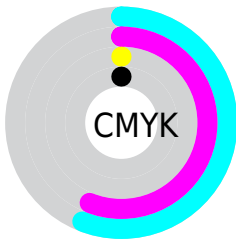
Distribution



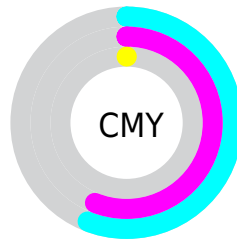
- Red (44%)
- Green (44%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9041, 0.2030, 0.1476 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 21.9041, 0.2030, 0.1476 by changing the saturation by 10% instead.


 21.9041, 0.2030,
0.1476


 21.9041, 0.2030,
0.1476


262.0451, 0.2614,
0.2327


 13.7864, 0.1885,
0.1294


 46.5874, 0.2244,
0.1765


 7.9723, 0.1703,
0.1081


 63.9219, 0.2325,
0.1880

 4.0772, 0.1474,
0.0834


 85.0975, 0.2392,
0.1979

 1.7169, 0.1184,
0.0559

 110.4985, 0.2450,
0.2067

 0.4345, 0.0830,
0.0241

140.5094, 0.2500,
0.2144

 0.0000, 0.0332,
0.0000

175.5145, 0.2543,

 0.0000, 0.0000,

0.2212

0.0000

215.8982, 0.2581,
0.2273

■ 21.9041, 0.2030,
0.1476

■ 21.9041, 0.2030,
0.1476

■ 15.7078, 0.1835,
0.1154

■ 30.1446, 0.2244,
0.1830

■ 11.3756, 0.1677,
0.0892

■ 40.5848, 0.2461,
0.2189

■ 8.6993, 0.1568,
0.0711

■ 53.3674, 0.2669,
0.2533

■ 7.4187, 0.1512,
0.0620

■ 68.6225, 0.2860,
0.2849

■ 7.1534, 0.1500,
0.0600

■ 86.4706, 0.3031,
0.3131

99.9332, 0.3133,
0.3300

Harmonies

Analogous

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



21.9041, 0.1324, 0.1414



21.9041, 0.2030, 0.1476



21.9041, 0.3259, 0.1834

Triad

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



21.9041, 0.2030, 0.1476



21.9041, 0.5657, 0.4019



21.9041, 0.1525, 0.4138

Complementary

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



21.9041, 0.2030, 0.1476



93.0669, 0.3937, 0.4629

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.



21.9041, 0.2488, 0.5780



21.9041, 0.2030, 0.1476



21.9041, 0.4822, 0.4997

Square

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



21.9041, 0.2030, 0.1476



21.9041, 0.5749, 0.3194



21.9041, 0.3674, 0.5892



21.9041, 0.1063, 0.2519

Rectangle

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



21.9041, 0.2030, 0.1476



21.9041, 0.4285, 0.2223



21.9041, 0.3674, 0.5892



21.9041, 0.1797, 0.4778

Sweetspot

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



21.9047, 0.2030, 0.1476



68.0779, 0.2847, 0.2828



81.3916, 0.2418, 0.3288



13.8730, 0.2810, 0.2766



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.



21.9047, 0.2030, 0.1476



14.9711, 0.1805, 0.1104



28.5279, 0.2551, 0.1693



17.3779, 0.2978, 0.3044



3.7727, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Inverse Universe

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



39.5862, 0.3190, 0.1960



34.4533, 0.3199, 0.1770



82.0103, 0.3444, 0.4895



18.3004, 0.3138, 0.3056



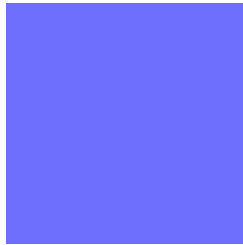
14.8806, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.9041, 0.2030, 0.1476 looks on a white background.

Color Contrast Check

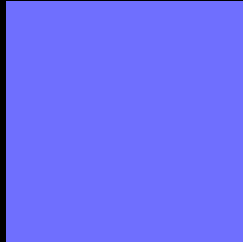
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9041, 0.2030, 0.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

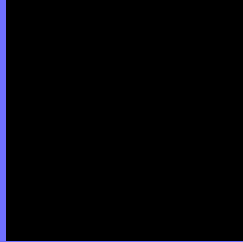
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9041, 0.2030, 0.1476

Background



This preview shows how black text looks on a background with the Yxy color 21.9041, 0.2030, 0.1476.



This preview shows how white text looks on a background with the Yxy color 21.9041, 0.2030, 0.1476.

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

21.9041, 0.2030, 0.1476

Protanopia

22.1067, 0.1795, 0.1517

Deuteranopia

21.8897, 0.1835, 0.1804



Tritanopia

21.7186, 0.2420, 0.3057

Trichromacy



Original Color

21.9041, 0.2030, 0.1476

Protanomaly

21.5719, 0.1844, 0.1479

Deuteranomaly

21.0395, 0.1833, 0.1640

Tritanomaly

21.0476, 0.2237, 0.2282

Monochromacy



Original Color

21.9041, 0.2030, 0.1476

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.7568, 0.2607, 0.2431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9041, 0.2030, 0.1476 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(111, 111, 254)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 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(111, 111, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 254) }
```

Border

The CSS property to change the border of an element to Yxy 21.9041, 0.2030, 0.1476 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(111, 111, 254) }
```

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

```
.border{ border-color:rgb(111, 111, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 254);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9041, 0.2030, 0.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 254) }
```

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

```
.background{ background-color: rgb(111,  
111, 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](#).

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