

Converting Colors

$Y_{xy}(21.4694, 0.2051, 0.1511)$

Have a look what the booklet for
Yxy(21.4694, 0.2051, 0.1511)
contains.

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Color

Yxy(21.5257, 0.2053, 0.1514)

Conversions

Conversions Part 1

Format	Color
Hex	6F6FF8
RGB	111, 111, 248
RGB Percent	44%, 44%, 97%
CMY	0.5647, 0.5648, 0.0273
CMYK	0.55, 0.55, 0.00, 0.03
HSL	240°, 91%, 70%
HSV	240°, 55%, 97%
XYZ	29.1891, 21.5257, 91.4629
YIQ	126.6180, -43.9770, 42.6070

Conversions

Conversions Part 2

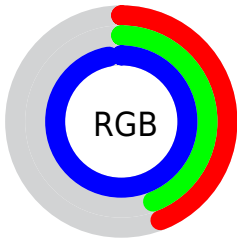
Format	Color
R _{YB}	111, 111, 248
Decimal	7303160
CIE Lab	53.52, 37.68, -68.85
CIE LCh	54, 78.484, 298.693
Yxy	21.5257, 0.2053, 0.1514
Android (android.graphics.Color)	4285493240 (0xFF6F6FF8)
YUV	126.6180, 59.8413, -13.6970
Hunter-Lab	46.3958, 31.1074, -84.4050

Details

The Yxy color **21.5257, 0.2053, 0.1514** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **88.2749, 0.3924, 0.4608**, and the grayscale version is **20.8885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1850, 0.2527, 0.2214**, and **7.7880, 0.1727, 0.1112** is the 20% darker color. If you saturate the color by 10%, you get **15.4532, 0.1855, 0.1187**, and if you desaturate by 10%, it is **29.5483, 0.2268, 0.1869**.

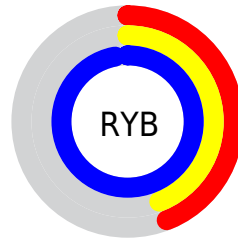
Distribution



Red (44%)

Green (44%)

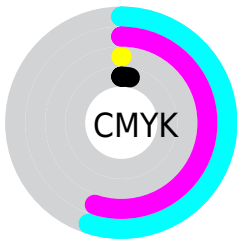
Blue (97%)



Red (44%)

Yellow (44%)

Blue (97%)

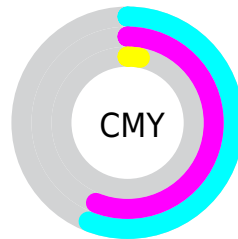


Cyan (55%)

Magenta (55%)

Yellow (0%)

Black (3%)



Cyan (56%)


Magenta (56%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5257, 0.2053, 0.1514 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 21.5257, 0.2053, 0.1514 by changing the saturation by 10% instead.


 21.5257, 0.2053,
0.1514


 21.5257, 0.2053,
0.1514


260.0593, 0.2628,
0.2356


 13.5088, 0.1908,
0.1331


 45.9608, 0.2265,
0.1802


 7.7798, 0.1727,
0.1115


 63.1478, 0.2344,
0.1916

 3.9544, 0.1495,
0.0864


 84.1604, 0.2411,
0.2015

 1.6481, 0.1200,
0.0580

 109.3828, 0.2468,
0.2101

 0.3897, 0.0837,
0.0237

139.1995, 0.2517,
0.2177

 0.0000, 0.0274,
0.0000

173.9949, 0.2559,

 0.0000, 0.0000,

0.2243

0.0000

214.1533, 0.2596,
0.2303

■ 21.5257, 0.2053,
0.1514

■ 21.5257, 0.2053,
0.1514

■ 15.4532, 0.1855,
0.1187

■ 29.5483, 0.2268,
0.1869

■ 11.1632, 0.1692,
0.0918

■ 39.6661, 0.2485,
0.2227

■ 8.4630, 0.1577,
0.0728

■ 52.0123, 0.2691,
0.2568

■ 7.1144, 0.1516,
0.0626

■ 66.7088, 0.2879,
0.2880

■ 6.7806, 0.1500,
0.0600

■ 83.8686, 0.3047,
0.3158

99.5604, 0.3167,
0.3356

Harmonies

Analogous

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



21.5257, 0.1360, 0.1456



21.5257, 0.2053, 0.1514



21.5257, 0.3248, 0.1865

Triad

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



21.5257, 0.2053, 0.1514



21.5257, 0.5604, 0.4021



21.5257, 0.1578, 0.4127

Complementary

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



21.5257, 0.2053, 0.1514



88.2749, 0.3924, 0.4608

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.



21.5257, 0.2530, 0.5691



21.5257, 0.2053, 0.1514



21.5257, 0.4808, 0.4969

Square

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



21.5257, 0.2053, 0.1514



21.5257, 0.5668, 0.3207



21.5257, 0.3695, 0.5817



21.5257, 0.1112, 0.2560

Rectangle

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



21.5257, 0.2053, 0.1514



21.5257, 0.4239, 0.2247



21.5257, 0.3695, 0.5817



21.5257, 0.1848, 0.4737

Sweetspot

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



21.5263, 0.2053, 0.1514



68.0780, 0.2847, 0.2828



77.3241, 0.2427, 0.3288



13.8731, 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.



21.5263, 0.2053, 0.1514



16.0007, 0.1840, 0.1162



27.7922, 0.2565, 0.1724



16.6432, 0.2979, 0.3045



3.6613, 0.1500, 0.0600



0.3391, 0.1500, 0.0600

Inverse Universe

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



38.1110, 0.3189, 0.1981



35.2466, 0.3197, 0.1798



77.9581, 0.3441, 0.4863



17.5246, 0.3138, 0.3056



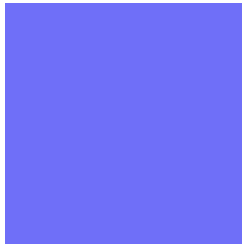
14.4406, 0.3210, 0.1542



1.3375, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.5257, 0.2053, 0.1514 looks on a white background.

Color Contrast Check

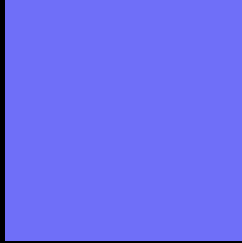
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5257, 0.2053, 0.1514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

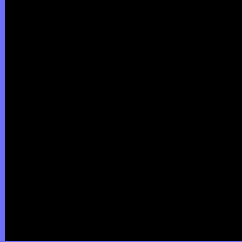
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5257, 0.2053, 0.1514

Background



This preview shows how black text looks on a background with the Yxy color 21.5257, 0.2053, 0.1514.

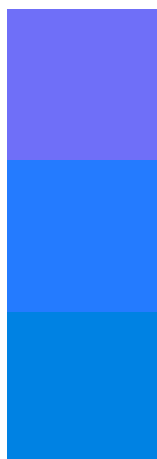


This preview shows how white text looks on a background with the Yxy color 21.5257, 0.2053, 0.1514.

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

21.5257, 0.2053, 0.1514

Protanopia

21.7610, 0.1783, 0.1500

Deuteranopia

21.5113, 0.1835, 0.1807



Tritanopia

21.4853, 0.2450, 0.3075

Trichromacy



Original Color

21.5257, 0.2053, 0.1514

Protanomaly

21.2787, 0.1842, 0.1495

Deuteranomaly

20.6152, 0.1837, 0.1650

Tritanomaly

20.9253, 0.2267, 0.2337

Monochromacy



Original Color

21.5257, 0.2053, 0.1514

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6800, 0.2624, 0.2459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5257, 0.2053, 0.1514 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 248) }
```

Border

The CSS property to change the border of an element to Yxy 21.5257, 0.2053, 0.1514 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, 248) }
```

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

```
.border{ border-color:rgb(111, 111, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 248);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5257, 0.2053, 0.1514 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, 248) }
```

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

```
.background{ background-color: rgb(111,  
111, 248) }
```

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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