

Converting Colors

$Y_{xy}(21.3207, 0.2017, 0.1469)$

Have a look what the booklet for
Yxy(21.3207, 0.2017, 0.1469)
contains.

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Color

Yxy(21.3683, 0.2018, 0.1470)

Conversions

Conversions Part 1

Format	Color
Hex	6C6EFC
RGB	108, 110, 252
RGB Percent	42%, 43%, 99%
CMY	0.5762, 0.5687, 0.0118
CMYK	0.57, 0.56, 0.00, 0.01
HSL	239°, 96%, 71%
HSV	239°, 57%, 99%
XYZ	29.3342, 21.3683, 94.6601
YIQ	125.5900, -46.7740, 43.7380

Conversions

Conversions Part 2

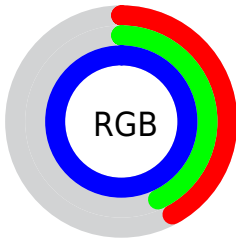
Format	Color
R _Y B	108, 110, 252
Decimal	7106300
CIE Lab	53.35, 38.97, -71.31
CIE LCh	53, 81.267, 298.656
Yxy	21.3683, 0.2018, 0.1470
Android (android.graphics.Color)	4285296380 (0xFF6C6EFC)
YUV	125.5900, 62.3201, -15.4264
Hunter-Lab	46.2259, 32.3779, -89.0544

Details

The Yxy color **21.3683, 0.2018, 0.1470** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **90.1860, 0.3956, 0.4630**, and the grayscale version is **20.5189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6067, 0.2512, 0.2198**, and **7.6474, 0.1684, 0.1068** is the 20% darker color. If you saturate the color by 10%, you get **15.3772, 0.1826, 0.1152**, and if you desaturate by 10%, it is **29.3215, 0.2230, 0.1820**.

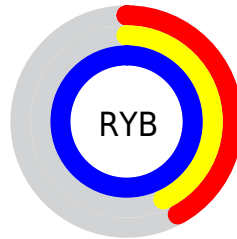
Distribution



Red (42%)

Green (43%)

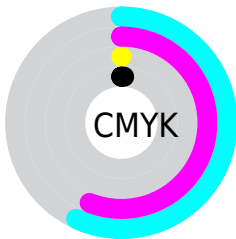
Blue (99%)



Red (42%)

Yellow (43%)

Blue (99%)

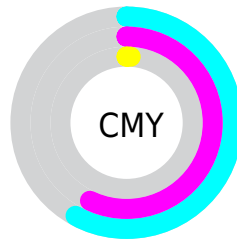


Cyan (57%)

Magenta (56%)

Yellow (0%)

Black (1%)



Cyan (58%)

Magenta (57%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3683, 0.2018, 0.1470 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 21.3683, 0.2018, 0.1470 by changing the saturation by 10% instead.


 21.3683, 0.2018,
0.1470


 21.3683, 0.2018,
0.1470


259.2294, 0.2610,
0.2327


 13.3935, 0.1871,
0.1286


 45.6997, 0.2235,
0.1761

 7.7001, 0.1686,
0.1071


 62.8250, 0.2317,
0.1877

 3.9036, 0.1453,
0.0822


 83.7694, 0.2385,
0.1977

 1.6198, 0.1159,
0.0545

 108.9171, 0.2444,
0.2065

 0.3709, 0.0802,
0.0213

138.6525, 0.2494,
0.2143

 0.0000, 0.0269,
0.0000

173.3601, 0.2538,

 0.0000, 0.0000,

0.2211

0.0000

213.4243, 0.2576,
0.2272

■ 21.3683, 0.2018,
0.1470

■ 21.3683, 0.2018,
0.1470

■ 15.3772, 0.1826,
0.1152

■ 29.3215, 0.2230,
0.1820

■ 11.1765, 0.1671,
0.0892

■ 39.3853, 0.2446,
0.2176

■ 8.5679, 0.1565,
0.0713

■ 51.6957, 0.2654,
0.2517

■ 7.3031, 0.1511,
0.0621

■ 66.3771, 0.2846,
0.2831

■ 7.1003, 0.1502,
0.0606

■ 83.5446, 0.3018,
0.3111

99.8073, 0.3145,
0.3319

Harmonies

Analogous

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



21.3683, 0.1315, 0.1410



21.3683, 0.2018, 0.1470



21.3683, 0.3246, 0.1825

Triad

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



21.3683, 0.2018, 0.1470



21.3683, 0.5668, 0.4010



21.3683, 0.1526, 0.4159

Complementary

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



21.3683, 0.2018, 0.1470



90.1860, 0.3956, 0.4630

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.



21.3683, 0.2495, 0.5799



21.3683, 0.2018, 0.1470



21.3683, 0.4834, 0.4990

Square

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



21.3683, 0.2018, 0.1470



21.3683, 0.5752, 0.3185



21.3683, 0.3684, 0.5894



21.3683, 0.1060, 0.2527

Rectangle

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



21.3683, 0.2018, 0.1470



21.3683, 0.4275, 0.2214



21.3683, 0.3684, 0.5894



21.3683, 0.1800, 0.4801

Sweetspot

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



21.3689, 0.2018, 0.1470



68.3667, 0.2848, 0.2834



79.6792, 0.2422, 0.3316



13.9400, 0.2811, 0.2773



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.



21.3689, 0.2018, 0.1470



14.8290, 0.1793, 0.1096



27.1871, 0.2520, 0.1662



16.6801, 0.2979, 0.3048



3.7158, 0.1502, 0.0608



0.3568, 0.1508, 0.0628

Inverse Universe

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



32.5570, 0.4863, 0.3276



27.4593, 0.5437, 0.3278



80.6916, 0.3462, 0.4909



17.2290, 0.3292, 0.3287



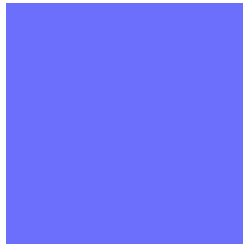
10.7860, 0.6387, 0.3292



1.0003, 0.6353, 0.3273

Previews

White Background



This preview shows how the Yxy color 21.3683, 0.2018, 0.1470 looks on a white background.

Color Contrast Check

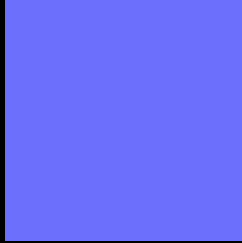
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3683, 0.2018, 0.1470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

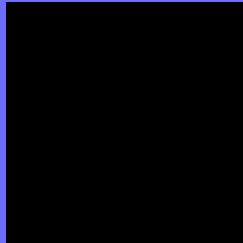
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3683, 0.2018, 0.1470

Background



This preview shows how black text looks on a background with the Yxy color 21.3683, 0.2018, 0.1470.

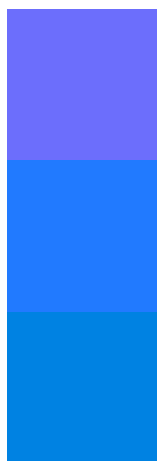


This preview shows how white text looks on a background with the Yxy color 21.3683, 0.2018, 0.1470.

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

21.3683, 0.2018, 0.1470

Protanopia

21.4624, 0.1774, 0.1485

Deuteranopia

21.4563, 0.1838, 0.1817



Tritanopia

21.2227, 0.2404, 0.3073

Trichromacy



Original Color

21.3683, 0.2018, 0.1470

Protanomaly

21.0733, 0.1825, 0.1466

Deuteranomaly

20.5954, 0.1835, 0.1649

Tritanomaly

20.5178, 0.2219, 0.2284

Monochromacy



Original Color

21.3683, 0.2018, 0.1470

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.3334, 0.2594, 0.2423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3683, 0.2018, 0.1470 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(108, 110, 252)` looks like.

```
.text, #text, p{  
    color:rgb(108, 110, 252)  
}
```

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(108, 110, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 110, 252) }
```

Border

The CSS property to change the border of an element to Yxy 21.3683, 0.2018, 0.1470 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(108, 110, 252) }
```

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

```
.border{ border-color:rgb(108, 110, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 110, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 110, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 110, 252);  
box-shadow:4px 4px 4px 4px rgb(108, 110,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3683, 0.2018, 0.1470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 110, 252) }
```

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

```
.background{ background-color: rgb(108,  
110, 252) }
```

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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