

Converting Colors

$Y_{xy}(21.6001, 0.1986, 0.1465)$

Have a look what the booklet for
Yxy(21.6001, 0.1986, 0.1465)
contains.

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Color

Yxy(21.6277, 0.1988, 0.1468)

Conversions

Conversions Part 1

Format	Color
Hex	6770FE
RGB	103, 112, 254
RGB Percent	40%, 44%, 100%
CMY	0.5956, 0.5609, 0.0039
CMYK	0.59, 0.56, 0.00, 0.00
HSL	236°, 99%, 70%
HSV	236°, 59%, 100%
XYZ	29.2887, 21.6277, 96.4112
YIQ	125.4970, -50.9460, 42.2540

Conversions

Conversions Part 2

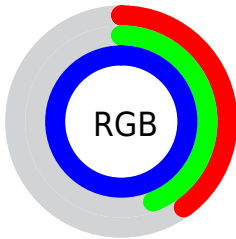
Format	Color
R _Y B	103, 111, 254
Decimal	6779134
CIE Lab	53.63, 37.59, -72.00
CIE LCh	54, 81.224, 297.569
Yxy	21.6277, 0.1988, 0.1468
Android (android.graphics.Color)	4284969214 (0xFF6770FE)
YUV	125.4970, 63.3520, -19.7299
Hunter-Lab	46.5056, 31.0327, -90.3608

Details

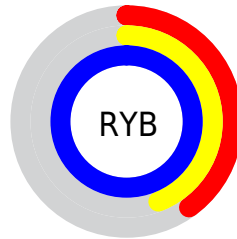
The Yxy color **21.6277, 0.1988, 0.1468** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **87.4638, 0.4018, 0.4622**, and the grayscale version is **20.4857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7703, 0.2481, 0.2212**, and **7.7809, 0.1652, 0.1067** is the 20% darker color. If you saturate the color by 10%, you get **15.7529, 0.1805, 0.1160**, and if you desaturate by 10%, it is **29.3606, 0.2193, 0.1806**.

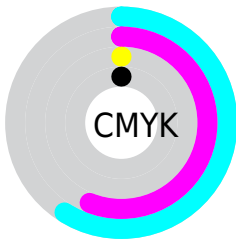
Distribution



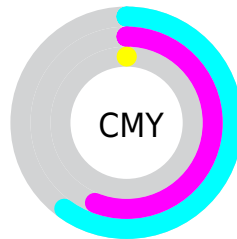
- Red (40%)
- Green (44%)
- Blue (100%)



- Red (40%)
- Yellow (44%)
- Blue (100%)



- Cyan (59%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6277, 0.1988, 0.1468 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 21.6277, 0.1988, 0.1468 by changing the saturation by 10% instead.


 21.6277, 0.1988,
0.1468


 21.6277, 0.1988,
0.1468


260.5958, 0.2592,
0.2325


 13.5836, 0.1839,
0.1285


 46.1299, 0.2209,
0.1759

 7.8316, 0.1653,
0.1070


 63.3568, 0.2292,
0.1875

 3.9874, 0.1420,
0.0822


 84.4134, 0.2362,
0.1975

 1.6665, 0.1127,
0.0547

 109.6841, 0.2422,
0.2063

 0.4018, 0.0774,
0.0224

139.5533, 0.2473,
0.2140

 0.0000, 0.0255,
0.0000

174.4054, 0.2518,

 0.0000, 0.0000,

0.2209

0.0000

214.6247, 0.2557,
0.2270

■ 21.6277, 0.1988,
0.1468

■ 21.6277, 0.1988,
0.1468

■ 15.7529, 0.1805,
0.1160

■ 29.3606, 0.2193,
0.1806

■ 11.5781, 0.1658,
0.0907

■ 39.0885, 0.2405,
0.2150

■ 8.9218, 0.1560,
0.0728

■ 50.9371, 0.2612,
0.2480

■ 7.5467, 0.1509,
0.0629

■ 65.0217, 0.2805,
0.2786

■ 7.4955, 0.1507,
0.0625

■ 81.4490, 0.2980,
0.3061

99.9369, 0.3133,
0.3299

Harmonies

Analogous

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



21.6277, 0.1303, 0.1420



21.6277, 0.1988, 0.1468



21.6277, 0.3193, 0.1812

Triad

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



21.6277, 0.1988, 0.1468



21.6277, 0.5679, 0.3979



21.6277, 0.1560, 0.4225

Complementary

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



21.6277, 0.1988, 0.1468



87.4638, 0.4018, 0.4622

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.



21.6277, 0.2541, 0.5820



21.6277, 0.1988, 0.1468



21.6277, 0.4869, 0.4950

Square

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



21.6277, 0.1988, 0.1468



21.6277, 0.5725, 0.3160



21.6277, 0.3729, 0.5862



21.6277, 0.1075, 0.2575

Rectangle

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



21.6277, 0.1988, 0.1468



21.6277, 0.4214, 0.2194



21.6277, 0.3729, 0.5862



21.6277, 0.1840, 0.4860

Sweetspot

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



21.6283, 0.1988, 0.1468



67.7725, 0.2831, 0.2827



80.3146, 0.2434, 0.3407



13.5492, 0.2777, 0.2742



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.



21.6283, 0.1988, 0.1468



15.1026, 0.1778, 0.1115



25.2617, 0.2425, 0.1570



17.5485, 0.2978, 0.3059



4.0169, 0.1510, 0.0635



0.4485, 0.1533, 0.0717

Inverse Universe

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



31.9674, 0.4888, 0.3211



26.7999, 0.5433, 0.3214



82.6479, 0.3517, 0.4944



18.0043, 0.3285, 0.3276



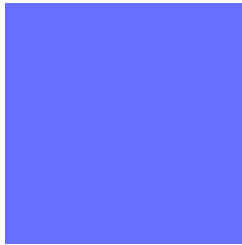
11.1335, 0.6342, 0.3267



1.0898, 0.6205, 0.3192

Previews

White Background



This preview shows how the Yxy color 21.6277, 0.1988, 0.1468 looks on a white background.

Color Contrast Check

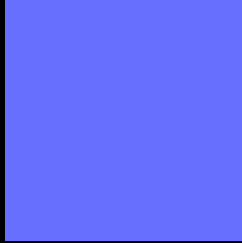
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6277, 0.1988, 0.1468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

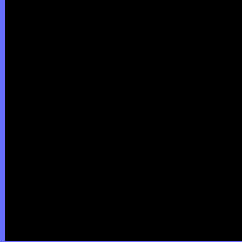
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6277, 0.1988, 0.1468

Background



This preview shows how black text looks on a background with the Yxy color 21.6277, 0.1988, 0.1468.



This preview shows how white text looks on a background with the Yxy color 21.6277, 0.1988, 0.1468.

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

21.6277, 0.1988, 0.1468

Protanopia

21.7792, 0.1784, 0.1501

Deuteranopia

21.5113, 0.1835, 0.1807



Tritanopia

21.5371, 0.2343, 0.3072

Trichromacy



Original Color

21.6277, 0.1988, 0.1468

Protanomaly

21.4058, 0.1829, 0.1473

Deuteranomaly

20.6737, 0.1826, 0.1632

Tritanomaly

20.7872, 0.2168, 0.2282

Monochromacy



Original Color

21.6277, 0.1988, 0.1468

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5434, 0.2579, 0.2424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6277, 0.1988, 0.1468 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(103, 112, 254)` looks like.

```
.text, #text, p{  
    color:rgb(103, 112, 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(103, 112, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 112, 254) }
```

Border

The CSS property to change the border of an element to Yxy 21.6277, 0.1988, 0.1468 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(103, 112, 254) }
```

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

```
.border{ border-color:rgb(103, 112, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 112, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 112, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 112, 254);  
box-shadow:4px 4px 4px 4px rgb(103, 112,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6277, 0.1988, 0.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 112, 254) }
```

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

```
.background{ background-color: rgb(103,  
112, 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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