

Converting Colors

$Y_{xy}(21.0556, 0.1972, 0.1430)$

Have a look what the booklet for
Yxy(21.0556, 0.1972, 0.1430)
contains.

Yxy(20.9821, 0.1971, 0.1426)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.9821, 0.1971, 0.1426)

Conversions

Conversions Part 1

Format	Color
Hex	666DFF
RGB	102, 109, 255
RGB Percent	40%, 43%, 100%
CMY	0.6000, 0.5726, 0.0000
CMYK	0.60, 0.57, 0.00, 0.00
HSL	237°, 100%, 70%
HSV	237°, 60%, 100%
XYZ	29.0012, 20.9821, 97.1562
YIQ	123.5510, -51.0380, 43.9220

Conversions

Conversions Part 2

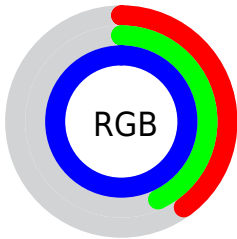
Format	Color
R _Y B	102, 109, 255
Decimal	6712831
CIE Lab	52.93, 39.50, -73.70
CIE LCh	53, 83.619, 298.189
Yxy	20.9821, 0.1971, 0.1426
Android (android.graphics.Color)	4284902911 (0xFF666DFF)
YUV	123.5510, 64.8044, -18.9002
Hunter-Lab	45.8062, 32.8525, -93.6914

Details

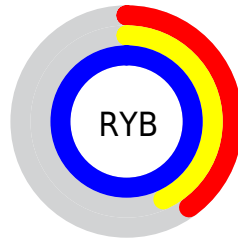
The Yxy color **20.9821, 0.1971, 0.1426** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **89.3545, 0.4015, 0.4646**, and the grayscale version is **19.7914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7091, 0.2476, 0.2176**, and **7.5546, 0.1634, 0.1033** is the 20% darker color. If you saturate the color by 10%, you get **15.2206, 0.1789, 0.1121**, and if you desaturate by 10%, it is **28.6351, 0.2177, 0.1765**.

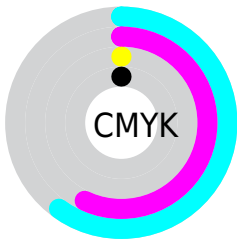
Distribution



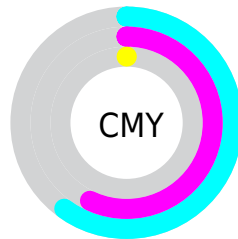
- Red (40%)
- Green (43%)
- Blue (100%)



- Red (40%)
- Yellow (43%)
- Blue (100%)



- Cyan (60%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9821, 0.1971, 0.1426 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 20.9821, 0.1971, 0.1426 by changing the saturation by 10% instead.


 20.9821, 0.1971,
0.1426


 20.9821, 0.1971,
0.1426


257.1834, 0.2585,
0.2299


 13.1109, 0.1820,
0.1241


 45.0577, 0.2195,
0.1721

 7.5050, 0.1631,
0.1025


 62.0310, 0.2280,
0.1839

 3.7799, 0.1395,
0.0778


 82.8071, 0.2351,
0.1942

 1.5512, 0.1100,
0.0507

 107.7703, 0.2412,
0.2031

 0.3244, 0.0748,
0.0180

137.3052, 0.2465,
0.2110

 0.0000, 0.0224,
0.0000

171.7961, 0.2510,

 0.0000, 0.0000,

0.2181

0.0000

211.6273, 0.2550,
0.2243

■ 20.9821, 0.1971,
0.1426

■ 20.9821, 0.1971,
0.1426

■ 15.2206, 0.1789,
0.1121

■ 28.6351, 0.2177,
0.1765

■ 11.1898, 0.1646,
0.0875

■ 38.3302, 0.2390,
0.2113

■ 8.6944, 0.1551,
0.0706

■ 50.1975, 0.2598,
0.2449

■ 7.4749, 0.1505,
0.0619

■ 64.3576, 0.2793,
0.2761

■ 80.9224, 0.2970,
0.3042

99.9962, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



20.9821, 0.1267, 0.1369



20.9821, 0.1971, 0.1426



20.9821, 0.3222, 0.1781

Triad

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



20.9821, 0.1971, 0.1426



20.9821, 0.5734, 0.3984



20.9821, 0.1488, 0.4218

Complementary

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



20.9821, 0.1971, 0.1426



89.3545, 0.4015, 0.4646

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.



20.9821, 0.2477, 0.5918



20.9821, 0.1971, 0.1426



20.9821, 0.4876, 0.4996

Square

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



20.9821, 0.1971, 0.1426



20.9821, 0.5826, 0.3153



20.9821, 0.3689, 0.5955



20.9821, 0.1015, 0.2513

Rectangle

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



20.9821, 0.1971, 0.1426



20.9821, 0.4285, 0.2173



20.9821, 0.3689, 0.5955



20.9821, 0.1768, 0.4891

Sweetspot

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



20.9806, 0.1971, 0.1426



67.4777, 0.2830, 0.2820



81.0815, 0.2420, 0.3378



13.4791, 0.2776, 0.2734



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.



20.9806, 0.1971, 0.1426



14.2827, 0.1757, 0.1066



25.3626, 0.2437, 0.1562



17.5109, 0.2978, 0.3055



3.9625, 0.1508, 0.0627



0.4306, 0.1526, 0.0692

Inverse Universe

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



31.8658, 0.4941, 0.3230



26.3937, 0.5508, 0.3233



82.9368, 0.3502, 0.4970



18.0005, 0.3287, 0.3280



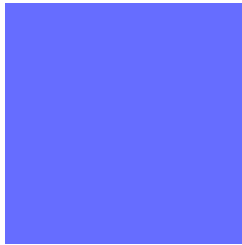
11.1280, 0.6355, 0.3274



1.0880, 0.6247, 0.3215

Previews

White Background



This preview shows how the Yxy color 20.9821, 0.1971, 0.1426 looks on a white background.

Color Contrast Check

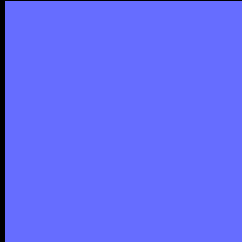
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9821, 0.1971, 0.1426 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 20.9821, 0.1971, 0.1426

Background



This preview shows how black text looks on a background with the Yxy color 20.9821, 0.1971, 0.1426.



This preview shows how white text looks on a background with the Yxy color 20.9821, 0.1971, 0.1426.

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

20.9821, 0.1971, 0.1426

Protanopia

21.0769, 0.1757, 0.1467

Deuteranopia

21.0282, 0.1842, 0.1829



Tritanopia

20.7863, 0.2326, 0.3068

Trichromacy



Original Color

20.9821, 0.1971, 0.1426

Protanomaly

20.6726, 0.1797, 0.1438

Deuteranomaly

20.3105, 0.1827, 0.1633

Tritanomaly

20.1062, 0.2149, 0.2255

Monochromacy



Original Color

20.9821, 0.1971, 0.1426

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8852, 0.2563, 0.2399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9821, 0.1971, 0.1426 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(102, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 109, 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(102, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 109, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.9821, 0.1971, 0.1426 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(102, 109, 255) }
```

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

```
.border{ border-color:rgb(102, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 109,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9821, 0.1971, 0.1426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 109, 255) }
```

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

```
.background{ background-color: rgb(102,  
109, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor