

Converting Colors

$Y_{xy}(20.3479, 0.1987, 0.1390)$

Have a look what the booklet for
Yxy(20.3479, 0.1987, 0.1390)
contains.

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Color

Yxy(20.4490, 0.1989, 0.1395)

Conversions

Conversions Part 1

Format	Color
Hex	6B69FF
RGB	107, 105, 255
RGB Percent	42%, 41%, 100%
CMY	0.5805, 0.5881, 0.0002
CMYK	0.58, 0.59, 0.00, 0.00
HSL	241°, 100%, 71%
HSV	241°, 59%, 100%
XYZ	29.1563, 20.4490, 96.9825
YIQ	122.6980, -46.9580, 47.0740

Conversions

Conversions Part 2

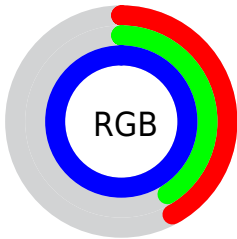
Format	Color
R _Y B	107, 105, 255
Decimal	7039487
CIE Lab	52.34, 42.64, -74.60
CIE LCh	52, 85.926, 299.749
Yxy	20.4490, 0.1989, 0.1395
Android (android.graphics.Color)	4285229567 (0xFF6B69FF)
YUV	122.6980, 65.2249, -13.7671
Hunter-Lab	45.2206, 35.9533, -95.5022

Details

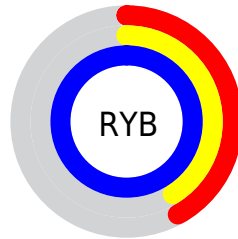
The Yxy color **20.4490, 0.1989, 0.1395** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.3989, 0.3951, 0.4683**, and the grayscale version is **19.4967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7690, 0.2497, 0.2137**, and **7.1905, 0.1648, 0.0988** is the 20% darker color. If you saturate the color by 10%, you get **14.6711, 0.1801, 0.1086**, and if you desaturate by 10%, it is **28.2380, 0.2199, 0.1743**.

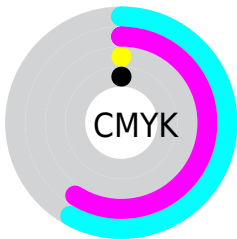
Distribution



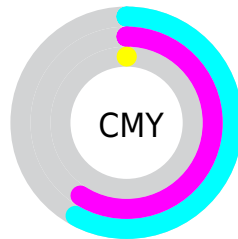
- Red (42%)
- Green (41%)
- Blue (100%)



- Red (42%)
- Yellow (41%)
- Blue (100%)



- Cyan (58%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4490, 0.1989, 0.1395 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 20.4490, 0.1989, 0.1395 by changing the saturation by 10% instead.


 20.4490, 0.1989,
0.1395


 20.4490, 0.1989,
0.1395


254.3356, 0.2598,
0.2279


 12.7218, 0.1838,
0.1209


 44.1687, 0.2212,
0.1693


 7.2373, 0.1650,
0.0993


 60.9300, 0.2296,
0.1812

 3.6109, 0.1413,
0.0747


 81.4715, 0.2367,
0.1916

 1.4584, 0.1117,
0.0479

 106.1776, 0.2427,
0.2007

 0.2592, 0.0764,
0.0144

135.4327, 0.2479,
0.2087

 0.0000, 0.0239,
0.0000

169.6211, 0.2524,

 0.0000, 0.0000,

0.2159

0.0000

209.1272, 0.2563,
0.2222

■ 20.4490, 0.1989,
0.1395

■ 20.4490, 0.1989,
0.1395

■ 14.6711, 0.1801,
0.1086

■ 28.2380, 0.2199,
0.1743

■ 10.7181, 0.1652,
0.0842

■ 38.1983, 0.2416,
0.2102

■ 8.3723, 0.1554,
0.0683

■ 50.4758, 0.2625,
0.2450

■ 7.3241, 0.1507,
0.0608

■ 65.2035, 0.2818,
0.2773

■ 7.2387, 0.1503,
0.0602

■ 82.5041, 0.2992,
0.3063

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



20.4490, 0.1250, 0.1320



20.4490, 0.1989, 0.1395



20.4490, 0.3302, 0.1770

Triad

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



20.4490, 0.1989, 0.1395



20.4490, 0.5761, 0.4017



20.4490, 0.1398, 0.4139

Complementary

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



20.4490, 0.1989, 0.1395



93.3989, 0.3951, 0.4683

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.



20.4490, 0.2377, 0.5976



20.4490, 0.1989, 0.1395



20.4490, 0.4846, 0.5079

Square

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



20.4490, 0.1989, 0.1395



20.4490, 0.5932, 0.3171



20.4490, 0.3607, 0.6067



20.4490, 0.0955, 0.2412

Rectangle

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



20.4490, 0.1989, 0.1395



20.4490, 0.4408, 0.2176



20.4490, 0.3607, 0.6067



20.4490, 0.1670, 0.4850

Sweetspot

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



20.4496, 0.1989, 0.1395



66.5270, 0.2833, 0.2798



81.7156, 0.2399, 0.3288



13.2533, 0.2779, 0.2708



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.



20.4496, 0.1989, 0.1395



13.6597, 0.1765, 0.1026



27.0279, 0.2517, 0.1623



17.3890, 0.2980, 0.3044



3.7886, 0.1504, 0.0602



0.3727, 0.1513, 0.0607

Inverse Universe

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



38.4530, 0.3209, 0.1928



33.2205, 0.3223, 0.1745



82.2162, 0.3450, 0.4966



18.2961, 0.3140, 0.3059



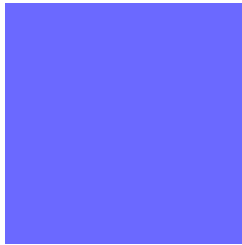
14.7729, 0.3242, 0.1560



1.4396, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 20.4490, 0.1989, 0.1395 looks on a white background.

Color Contrast Check

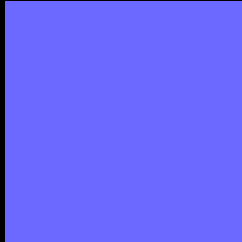
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4490, 0.1989, 0.1395 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 20.4490, 0.1989, 0.1395

Background



This preview shows how black text looks on a background with the Yxy color 20.4490, 0.1989, 0.1395.



This preview shows how white text looks on a background with the Yxy color 20.4490, 0.1989, 0.1395.

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

20.4490, 0.1989, 0.1395

Protanopia

20.5887, 0.1737, 0.1454

Deuteranopia

20.3461, 0.1841, 0.1826



Tritanopia

20.4274, 0.2379, 0.3069

Trichromacy



Original Color

20.4490, 0.1989, 0.1395



Protanomaly

19.8486, 0.1763, 0.1408



Deuteranomaly

19.5082, 0.1825, 0.1608



Tritanomaly

19.5802, 0.2183, 0.2225

Monochromacy



Original Color

20.4490, 0.1989, 0.1395



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

19.2130, 0.2575, 0.2364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4490, 0.1989, 0.1395 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(107, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 105, 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(107, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 105, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.4490, 0.1989, 0.1395 is called "border". The border property can be set on classes, ids or directly on the HTML element.

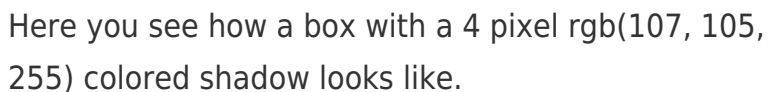
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 105, 255) }
```

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

```
.border{ border-color:rgb(107, 105, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 105,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4490, 0.1989, 0.1395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 105, 255) }
```

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

```
.background{ background-color: rgb(107,  
105, 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](#).

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