

Converting Colors

$Y_{xy}(20.0020, 0.1996, 0.1369)$

Have a look what the booklet for
Yxy(20.0020, 0.1996, 0.1369)
contains.

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Color

Yxy(19.9740, 0.1994, 0.1368)

Conversions

Conversions Part 1

Format	Color
Hex	6D66FF
RGB	109, 102, 255
RGB Percent	43%, 40%, 100%
CMY	0.5722, 0.6001, 0.0000
CMYK	0.57, 0.60, 0.00, 0.00
HSL	243°, 100%, 70%
HSV	243°, 60%, 100%
XYZ	29.1141, 19.9740, 96.9206
YIQ	121.5350, -44.9410, 49.0670

Conversions

Conversions Part 2

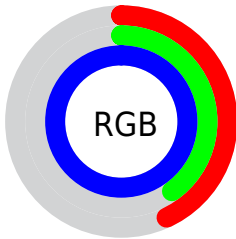
Format	Color
R _Y B	109, 102, 255
Decimal	7169791
CIE Lab	51.81, 44.77, -75.48
CIE LCh	52, 87.760, 300.676
Yxy	19.9740, 0.1994, 0.1368
Android (android.graphics.Color)	4285359871 (0xFF6D66FF)
YUV	121.5350, 65.7982, -10.9932
Hunter-Lab	44.6923, 38.0698, -97.2929

Details

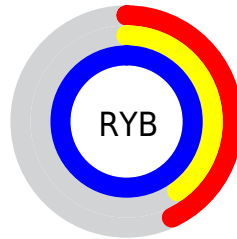
The Yxy color **19.9740, 0.1994, 0.1368** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **92.4080, 0.3928, 0.4725**, and the grayscale version is **19.1005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9891, 0.2507, 0.2107**, and **6.9609, 0.1651, 0.0961** is the 20% darker color. If you saturate the color by 10%, you get **14.3752, 0.1809, 0.1066**, and if you desaturate by 10%, it is **27.5410, 0.2201, 0.1710**.

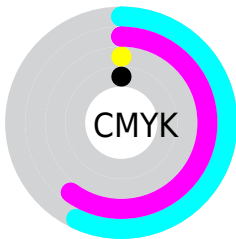
Distribution



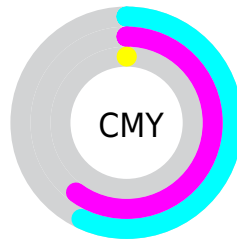
- Red (43%)
- Green (40%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9740, 0.1994, 0.1368 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 19.9740, 0.1994, 0.1368 by changing the saturation by 10% instead.


 19.9740, 0.1994,
0.1368


 19.9740, 0.1994,
0.1368


251.7743, 0.2603,
0.2262


 12.3761, 0.1842,
0.1181


 43.3736, 0.2218,
0.1668


 7.0004, 0.1653,
0.0964


 59.9441, 0.2302,
0.1789

 3.4623, 0.1415,
0.0719


 80.2743, 0.2373,
0.1894

 1.3776, 0.1118,
0.0454

 104.7486, 0.2433,
0.1986

 0.2001, 0.0764,
0.0112

133.7513, 0.2484,
0.2068

 0.0000, 0.0236,
0.0000

167.6669, 0.2529,

 0.0000, 0.0000,

0.2140

0.0000

206.8798, 0.2569,
0.2204

■ 19.9740, 0.1994,
0.1368

■ 19.9740, 0.1994,
0.1368

■ 14.3752, 0.1809,
0.1066

■ 27.5410, 0.2201,
0.1710

■ 10.5603, 0.1660,
0.0830

■ 37.2344, 0.2413,
0.2066

■ 8.3131, 0.1560,
0.0678

■ 49.1984, 0.2618,
0.2414

■ 7.2965, 0.1510,
0.0605

■ 63.5641, 0.2807,
0.2738

■ 80.4526, 0.2978,
0.3031

99.9768, 0.3127,
0.3290

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



19.9740, 0.1231, 0.1282



19.9740, 0.1994, 0.1368



19.9740, 0.3353, 0.1756

Triad

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



19.9740, 0.1994, 0.1368



19.9740, 0.5786, 0.4033



19.9740, 0.1333, 0.4092

Complementary

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



19.9740, 0.1994, 0.1368



92.4080, 0.3928, 0.4725

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.



19.9740, 0.2307, 0.6032



19.9740, 0.1994, 0.1368



19.9740, 0.4833, 0.5139

Square

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



19.9740, 0.1994, 0.1368



19.9740, 0.6012, 0.3175



19.9740, 0.3550, 0.6151



19.9740, 0.0909, 0.2343

Rectangle

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



19.9740, 0.1994, 0.1368



19.9740, 0.4494, 0.2171



19.9740, 0.3550, 0.6151



19.9740, 0.1601, 0.4833

Sweetspot

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



19.9746, 0.1994, 0.1368



66.7533, 0.2843, 0.2799



78.3462, 0.2376, 0.3228



13.3070, 0.2791, 0.2710



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.



19.9746, 0.1994, 0.1368



13.4800, 0.1776, 0.1013



26.8570, 0.2545, 0.1609



17.4180, 0.2986, 0.3045



3.8299, 0.1514, 0.0608



0.3864, 0.1546, 0.0625

Inverse Universe

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



37.5267, 0.3258, 0.1944



32.5002, 0.3284, 0.1772



81.4013, 0.3419, 0.5018



18.2849, 0.3145, 0.3067



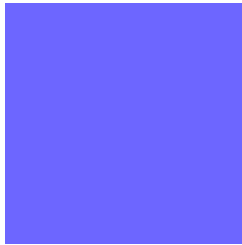
14.5013, 0.3329, 0.1608



1.4163, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 19.9740, 0.1994, 0.1368 looks on a white background.

Color Contrast Check

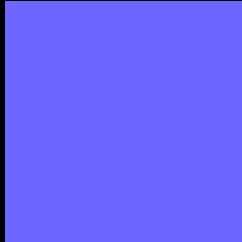
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9740, 0.1994, 0.1368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

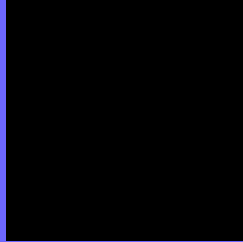
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9740, 0.1994, 0.1368

Background



This preview shows how black text looks on a background with the Yxy color 19.9740, 0.1994, 0.1368.



This preview shows how white text looks on a background with the Yxy color 19.9740, 0.1994, 0.1368.

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

19.9740, 0.1994, 0.1368

Protanopia

19.9219, 0.1735, 0.1447

Deuteranopia

19.9315, 0.1844, 0.1839



Tritanopia

19.9125, 0.2403, 0.3067

Trichromacy



Original Color

19.9740, 0.1994, 0.1368



Protanomaly

19.0677, 0.1759, 0.1384



Deuteranomaly

18.9432, 0.1824, 0.1596



Tritanomaly

19.1291, 0.2205, 0.2220

Monochromacy



Original Color

19.9740, 0.1994, 0.1368



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.9457, 0.2582, 0.2360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9740, 0.1994, 0.1368 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(109, 102, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 19.9740, 0.1994, 0.1368 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(109, 102, 255) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 19.9740, 0.1994, 0.1368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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