

Converting Colors

$Y_{xy}(19.4885, 0.2155, 0.1455)$

Have a look what the booklet for
Yxy(19.4885, 0.2155, 0.1455)
contains.

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Color

Yxy(19.5219, 0.2156, 0.1459)

Conversions

Conversions Part 1

Format	Color
Hex	7E62F1
RGB	126, 98, 241
RGB Percent	49%, 38%, 95%
CMY	0.5057, 0.6157, 0.0551
CMYK	0.48, 0.59, 0.00, 0.06
HSL	252°, 84%, 66%
HSV	252°, 59%, 94%
XYZ	28.8480, 19.5219, 85.4334
YIQ	122.6740, -29.2150, 50.4090

Conversions

Conversions Part 2

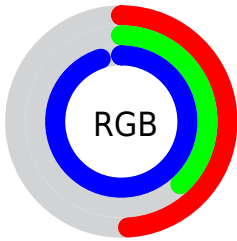
Format	Color
R _{YB}	126, 98, 241
Decimal	8282865
CIE Lab	51.29, 45.96, -68.45
CIE LCh	51, 82.448, 303.883
Yxy	19.5219, 0.2156, 0.1459
Android (android.graphics.Color)	4286472945 (0xFF7E62F1)
YUV	122.6740, 58.3347, 2.9169
Hunter-Lab	44.1836, 39.2235, -83.7146

Details

The Yxy color **19.5219, 0.2156, 0.1459** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **77.9012, 0.3762, 0.4799**, and the grayscale version is **19.5092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3470, 0.2605, 0.2094**, and **6.8319, 0.1838, 0.1055** is the 20% darker color. If you saturate the color by 10%, you get **14.3387, 0.1973, 0.1162**, and if you desaturate by 10%, it is **26.3481, 0.2347, 0.1788**.

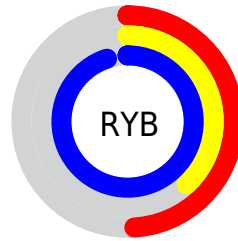
Distribution



Red (49%)

Green (38%)

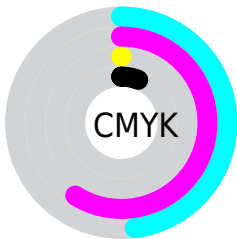
Blue (95%)



Red (49%)

Yellow (38%)

Blue (95%)

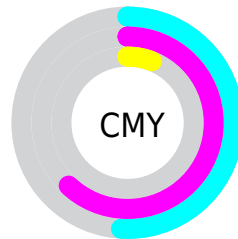


Cyan (48%)

Magenta (59%)

Yellow (0%)

Black (6%)



Cyan (51%)


Magenta (62%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5219, 0.2156, 0.1459 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 19.5219, 0.2156, 0.1459 by changing the saturation by 10% instead.


 19.5219, 0.2156,
0.1459


 19.5219, 0.2156,
0.1459


249.3150, 0.2694,
0.2328


 12.0480, 0.2016,
0.1271


 42.6141, 0.2358,
0.1756

 6.7764, 0.1836,
0.1050


 59.0013, 0.2433,
0.1873

 3.3226, 0.1604,
0.0793


 79.1283, 0.2495,
0.1975

 1.3024, 0.1300,
0.0509

 103.3795, 0.2547,
0.2064

 0.1431, 0.0925,
0.0099

132.1394, 0.2592,
0.2142

 0.0000, 0.0277,
0.0000

165.7924, 0.2630,

 0.0000, 0.0000,

0.2211

0.0000

204.7228, 0.2664,
0.2273

■ 19.5219, 0.2156,
0.1459

■ 19.5219, 0.2156,
0.1459

■ 14.3387, 0.1973,
0.1162

■ 26.3481, 0.2347,
0.1788

■ 10.6541, 0.1811,
0.0920

■ 34.9410, 0.2535,
0.2126

■ 8.3010, 0.1681,
0.0750

■ 45.4145, 0.2711,
0.2457

■ 7.0257, 0.1589,
0.0652

■ 57.8722, 0.2871,
0.2768

■ 6.9590, 0.1584,
0.0646

■ 72.4101, 0.3012,
0.3052

■ 89.1181, 0.3135,
0.3306

■ 99.1284, 0.3209,
0.3425

Harmonies

Analogous

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



19.5219, 0.1353, 0.1344



19.5219, 0.2156, 0.1459



19.5219, 0.3518, 0.1871

Triad

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



19.5219, 0.2156, 0.1459



19.5219, 0.5628, 0.4157



19.5219, 0.1342, 0.3841

Complementary

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



19.5219, 0.2156, 0.1459



77.9012, 0.3762, 0.4799

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.



19.5219, 0.2249, 0.5727



19.5219, 0.2156, 0.1459



19.5219, 0.4673, 0.5212

Square

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



19.5219, 0.2156, 0.1459



19.5219, 0.5914, 0.3296



19.5219, 0.3451, 0.6092



19.5219, 0.0966, 0.2279

Rectangle

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



19.5219, 0.2156, 0.1459



19.5219, 0.4599, 0.2293



19.5219, 0.3451, 0.6092



19.5219, 0.1587, 0.4524

Sweetspot

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



19.5225, 0.2156, 0.1459



67.7914, 0.2890, 0.2806



57.4182, 0.2322, 0.2953



13.5549, 0.2846, 0.2719



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.



19.5225, 0.2156, 0.1459



15.3916, 0.1941, 0.1112



26.7777, 0.2755, 0.1719



15.3780, 0.3010, 0.3048



3.8193, 0.1595, 0.0653



0.3577, 0.1712, 0.0717

Inverse Universe

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



32.2286, 0.3481, 0.2132



31.2910, 0.3573, 0.1977



69.6313, 0.3280, 0.5072



15.9751, 0.3168, 0.3102



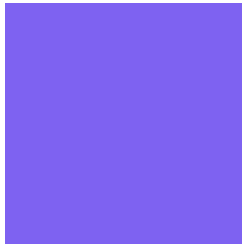
12.2660, 0.3777, 0.1854



1.0338, 0.3688, 0.1805

Previews

White Background



This preview shows how the Yxy color 19.5219, 0.2156, 0.1459 looks on a white background.

Color Contrast Check

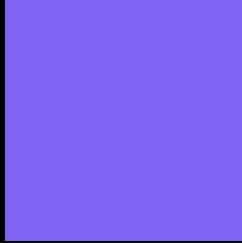
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5219, 0.2156, 0.1459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

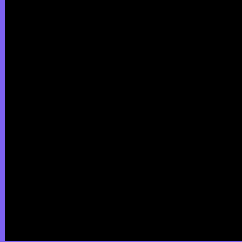
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5219, 0.2156, 0.1459

Background



This preview shows how black text looks on a background with the Yxy color 19.5219, 0.2156, 0.1459.



This preview shows how white text looks on a background with the Yxy color 19.5219, 0.2156, 0.1459.

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

19.5219, 0.2156, 0.1459

Protanopia

19.6247, 0.1734, 0.1441

Deuteranopia

19.6770, 0.1840, 0.1823



Tritanopia

19.5263, 0.2700, 0.3095

Trichromacy



Original Color

19.5219, 0.2156, 0.1459



Protanomaly

18.4481, 0.1776, 0.1395



Deuteranomaly

18.3333, 0.1846, 0.1612



Tritanomaly

18.7741, 0.2458, 0.2288

Monochromacy



Original Color

19.5219, 0.2156, 0.1459



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

19.0729, 0.2688, 0.2417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5219, 0.2156, 0.1459 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(126, 98, 241)` looks like.

```
.text, #text, p{  
    color:rgb(126, 98, 241)  
}
```

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(126, 98, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 98, 241) }
```

Border

The CSS property to change the border of an element to Yxy 19.5219, 0.2156, 0.1459 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(126, 98, 241) }
```

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

```
.border{ border-color:rgb(126, 98, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 98, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 98, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 98, 241);  
box-shadow:4px 4px 4px 4px rgb(126, 98,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5219, 0.2156, 0.1459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 98, 241) }
```

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

```
.background{ background-color: rgb(126, 98,  
241) }
```

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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