

Converting Colors

$Y_{xy}(19.1171, 0.2246, 0.1608)$

Have a look what the booklet for
Yxy(19.1171, 0.2246, 0.1608)
contains.

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Color

Yxy(19.1248, 0.2252, 0.1612)

Conversions

Conversions Part 1

Format	Color
Hex	7E65E0
RGB	126, 101, 224
RGB Percent	49%, 40%, 88%
CMY	0.5056, 0.6040, 0.1216
CMYK	0.44, 0.55, 0.00, 0.12
HSL	252°, 66%, 64%
HSV	252°, 55%, 88%
XYZ	26.7178, 19.1248, 72.7976
YIQ	122.4970, -24.5830, 43.5530

Conversions

Conversions Part 2

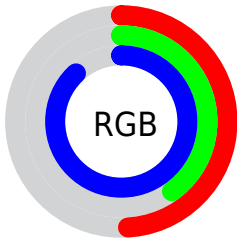
Format	Color
R _Y B	126, 101, 224
Decimal	8283616
CIE Lab	50.83, 39.46, -59.65
CIE LCh	51, 71.525, 303.485
Yxy	19.1248, 0.2252, 0.1612
Android (android.graphics.Color)	4286473696 (0xFF7E65E0)
YUV	122.4970, 50.0410, 3.0721
Hunter-Lab	43.7319, 32.5228, -68.0838

Details

The Yxy color **19.1248, 0.2252, 0.1612** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **66.3756, 0.3719, 0.4699**, and the grayscale version is **19.4744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1928, 0.2601, 0.2125**, and **6.6023, 0.1947, 0.1199** is the 20% darker color. If you saturate the color by 10%, you get **14.1158, 0.2065, 0.1300**, and if you desaturate by 10%, it is **25.5616, 0.2441, 0.1946**.

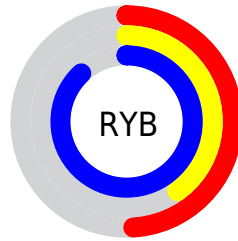
Distribution



Red (49%)

Green (40%)

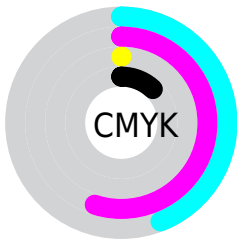
Blue (88%)



Red (49%)

Yellow (40%)

Blue (88%)

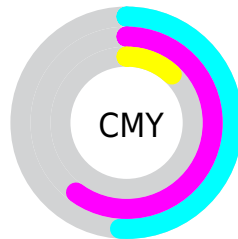


Cyan (44%)

Magenta (55%)

Yellow (0%)

Black (12%)



Cyan (51%)


Magenta (60%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1248, 0.2252, 0.1612 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 19.1248, 0.2252, 0.1612 by changing the saturation by 10% instead.


 19.1248, 0.2252,
0.1612


 19.1248, 0.2252,
0.1612


247.1369, 0.2744,
0.2435


 11.7605, 0.2119,
0.1424


 41.9449, 0.2440,
0.1900


 6.5808, 0.1945,
0.1198


 58.1694, 0.2508,
0.2012

 3.2014, 0.1714,
0.0927

 78.1162, 0.2565,
0.2109

 1.2377, 0.1402,
0.0611

 102.1695, 0.2612,
0.2192

 0.0922, 0.1003,
0.0087

130.7139, 0.2653,
0.2264

 0.0000, 0.0000,
0.0000

164.1336, 0.2687,

0.2328

202.8132, 0.2717,
0.2385

■ 19.1248, 0.2252,
0.1612

■ 19.1248, 0.2252,
0.1612

■ 14.1158, 0.2065,
0.1300

■ 25.5616, 0.2441,
0.1946

■ 10.4212, 0.1893,
0.1031

■ 33.5240, 0.2622,
0.2280

■ 7.9127, 0.1747,
0.0826


■ 43.1030, 0.2789,
0.2601

■ 6.4344, 0.1636,
0.0695


■ 54.3821, 0.2938,
0.2899

■ 5.9546, 0.1593,
0.0651

■ 67.4390, 0.3069,
0.3168

 82.3463, 0.3183,
0.3408

 97.3895, 0.3283,
0.3594

 98.1613, 0.3310,
0.3592

Harmonies

Analogous

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



19.1248, 0.1502, 0.1511



19.1248, 0.2252, 0.1612



19.1248, 0.3468, 0.1999

Triad

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



19.1248, 0.2252, 0.1612



19.1248, 0.5432, 0.4169



19.1248, 0.1543, 0.3815

Complementary

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



19.1248, 0.2252, 0.1612



66.3756, 0.3719, 0.4699

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.



19.1248, 0.2407, 0.5380



19.1248, 0.2252, 0.1612



19.1248, 0.4614, 0.5081

Square

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



19.1248, 0.2252, 0.1612



19.1248, 0.5607, 0.3354



19.1248, 0.3525, 0.5770



19.1248, 0.1153, 0.2434

Rectangle

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



19.1248, 0.2252, 0.1612



19.1248, 0.4409, 0.2394



19.1248, 0.3525, 0.5770



19.1248, 0.1781, 0.4384

Sweetspot

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



19.1254, 0.2252, 0.1612



71.0261, 0.2921, 0.2864



49.1731, 0.2363, 0.2954



14.5023, 0.2891, 0.2804



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.



19.1254, 0.2252, 0.1612



18.0540, 0.2037, 0.1254



25.2610, 0.2814, 0.1841



13.3772, 0.3012, 0.3050



3.5054, 0.1604, 0.0657



0.2809, 0.1749, 0.0737

Inverse Universe

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



29.2689, 0.3457, 0.2214



33.2315, 0.3548, 0.2046



59.6392, 0.3266, 0.4935



13.8852, 0.3169, 0.3105



11.1199, 0.3801, 0.1867



0.7830, 0.3692, 0.1808

Previews

White Background



This preview shows how the Yxy color 19.1248, 0.2252, 0.1612 looks on a white background.

Color Contrast Check

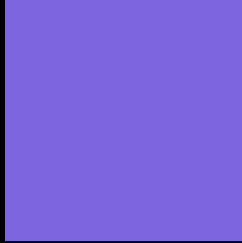
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1248, 0.2252, 0.1612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

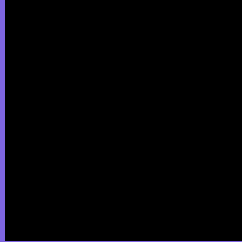
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1248, 0.2252, 0.1612

Background



This preview shows how black text looks on a background with the Yxy color 19.1248, 0.2252, 0.1612.



This preview shows how white text looks on a background with the Yxy color 19.1248, 0.2252, 0.1612.

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

19.1248, 0.2252, 0.1612

Protanopia

19.5048, 0.1798, 0.1520

Deuteranopia

19.2279, 0.1828, 0.1781



Tritanopia

19.0201, 0.2784, 0.3095

Trichromacy



Original Color

19.1248, 0.2252, 0.1612

Protanomaly

18.7066, 0.1893, 0.1521

Deuteranomaly

18.0096, 0.1863, 0.1663

Tritanomaly

18.6603, 0.2550, 0.2406

Monochromacy



Original Color

19.1248, 0.2252, 0.1612

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.0846, 0.2745, 0.2520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1248, 0.2252, 0.1612 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, 101, 224)` looks like.

```
.text, #text, p{  
    color:rgb(126, 101, 224)  
}
```

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, 101, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 101, 224) }
```

Border

The CSS property to change the border of an element to Yxy 19.1248, 0.2252, 0.1612 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, 101, 224) }
```

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

```
.border{ border-color:rgb(126, 101, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 101, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 101, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 101, 224);  
box-shadow:4px 4px 4px 4px rgb(126, 101,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1248, 0.2252, 0.1612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 101, 224) }
```

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

```
.background{ background-color: rgb(126,  
101, 224) }
```

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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