

Converting Colors

$Y_{xy}(19.6665, 0.2661, 0.2490)$

Have a look what the booklet for
Yxy(19.6665, 0.2661, 0.2490)
contains.

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Color

Yxy(19.6665, 0.2661, 0.2490)

Conversions

Conversions Part 1

Format	Color
Hex	7876A5
RGB	120, 118, 165
RGB Percent	47%, 46%, 65%
CMY	0.5294, 0.5373, 0.3528
CMYK	0.27, 0.28, 0.00, 0.35
HSL	243°, 21%, 55%
HSV	243°, 28%, 65%
XYZ	21.0171, 19.6665, 38.2983
YIQ	123.9560, -13.8950, 15.0410

Conversions

Conversions Part 2

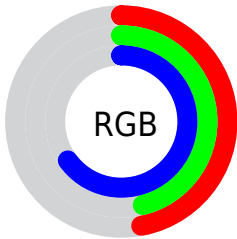
Format	Color
R_{YB}	120, 118, 165
Decimal	7894693
CIE _{Lab}	51.46, 11.59, -24.87
CIE _{LCh}	51, 27.438, 294.977
Yxy	19.6665, 0.2661, 0.2490
Android (android.graphics.Color)	4286084773 (0xFF7876A5)
YUV	123.9560, 20.2347, -3.4694
Hunter-Lab	44.3469, 6.9884, -20.1604

Details

The Yxy color **19.6665, 0.2661, 0.2490** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.0179, 0.3527, 0.3990**, and the grayscale version is **20.0758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8010, 0.2766, 0.2659**, and **6.8747, 0.2474, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **15.0765, 0.2464, 0.2156**, and if you desaturate by 10%, it is **25.1245, 0.2842, 0.2799**.

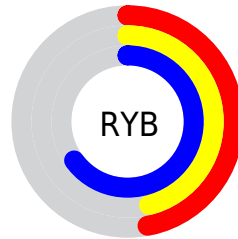
Distribution



Red (47%)

Green (46%)

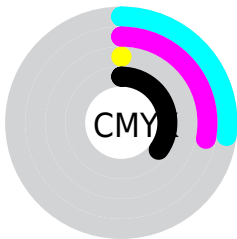
Blue (65%)



Red (47%)

Yellow (46%)

Blue (65%)

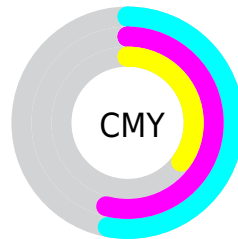


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (54%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6665, 0.2661, 0.2490 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 19.6665, 0.2661, 0.2490 by changing the saturation by 10% instead.

■ 19.6665, 0.2661,
0.2490

■ 19.6665, 0.2661,
0.2490

250.1039, 0.2927,
0.2927

■ 12.1529, 0.2582,
0.2368

■ 42.8573, 0.2767,
0.2658

■ 6.8479, 0.2472,
0.2205

■ 59.3033, 0.2803,
0.2718

■ 3.3671, 0.2311,
0.1975

■ 79.4955, 0.2834,
0.2768

■ 1.3263, 0.2054,
0.1633

103.8184, 0.2859,
0.2810

■ 0.1614, 0.1526,
0.0565

132.6562, 0.2880,
0.2846

■ 0.0000, 0.0000,
0.0000

166.3935, 0.2898,

0.2877

205.4146, 0.2913,
0.2904

■ 19.6665, 0.2661,
0.2490

■ 19.6665, 0.2661,
0.2490

■ 15.0765, 0.2464,
0.2156

■ 25.1245, 0.2842,
0.2799

■ 11.3077, 0.2258,
0.1810

■ 31.4894, 0.3005,
0.3078

■ 8.3121, 0.2054,
0.1471

■ 38.8009, 0.3147,
0.3325

■ 6.0363, 0.1865,
0.1161

■ 47.0954, 0.3271,
0.3541

■ 4.4196, 0.1707,
0.0906

■ 56.4074, 0.3378,
0.3727

■ 3.3918, 0.1592,
0.0726

■ 66.7697, 0.3470,
0.3889

■ 2.8320, 0.1523,
0.0622

■ 78.2138, 0.3548,
0.4028

■ 2.7628, 0.1515,
0.0608

■ 90.7697, 0.3616,
0.4147

■ 95.4976, 0.3660,
0.4172

Harmonies

Analogous

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



19.6665, 0.2331, 0.2514



19.6665, 0.2661, 0.2490



19.6665, 0.3142, 0.2644

Triad

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



19.6665, 0.2661, 0.2490



19.6665, 0.4146, 0.3724



19.6665, 0.2590, 0.3664

Complementary

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



19.6665, 0.2661, 0.2490



36.0179, 0.3527, 0.3990

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.



19.6665, 0.3047, 0.4081



19.6665, 0.2661, 0.2490



19.6665, 0.3958, 0.4062

Square

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



19.6665, 0.2661, 0.2490



19.6665, 0.4039, 0.3322



19.6665, 0.3549, 0.4219



19.6665, 0.2290, 0.3150

Rectangle

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



19.6665, 0.2661, 0.2490



19.6665, 0.3492, 0.2828



19.6665, 0.3549, 0.4219



19.6665, 0.2729, 0.3825

Sweetspot

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



19.6673, 0.2661, 0.2490



55.5616, 0.2994, 0.3061



32.9271, 0.2720, 0.3264



11.7827, 0.2973, 0.3024



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6673, 0.2661, 0.2490



29.9962, 0.2542, 0.2288



21.5213, 0.2909, 0.2544



6.8736, 0.2993, 0.3058



2.0950, 0.1517, 0.0610



0.0481, 0.1599, 0.0655

Inverse Universe

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



23.6045, 0.3182, 0.2625



38.1944, 0.3195, 0.2483



33.7989, 0.3296, 0.4045



7.1970, 0.3144, 0.3078



7.9208, 0.3316, 0.1600



0.1679, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 19.6665, 0.2661, 0.2490 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 19.6665, 0.2661, 0.2490 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 19.6665, 0.2661, 0.2490

Background



This preview shows how black text looks on a background with the Yxy color 19.6665, 0.2661, 0.2490.



This preview shows how white text looks on a background with the Yxy color 19.6665, 0.2661, 0.2490.

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

19.6665, 0.2661, 0.2490

Protanopia

19.7160, 0.2542, 0.2491

Deuteranopia

19.7346, 0.2586, 0.2540



Tritanopia

19.7139, 0.2903, 0.3102

Trichromacy



Original Color

19.6665, 0.2661, 0.2490

Protanomaly

19.6968, 0.2586, 0.2496

Deuteranomaly

19.6907, 0.2613, 0.2528

Tritanomaly

19.6764, 0.2813, 0.2872

Monochromacy



Original Color

19.6665, 0.2661, 0.2490

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9941, 0.2952, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6665, 0.2661, 0.2490 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(120, 118, 165)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 165)  
}
```

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(120, 118, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 165) }
```

Border

The CSS property to change the border of an element to Yxy 19.6665, 0.2661, 0.2490 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(120, 118, 165) }
```

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

```
.border{ border-color:rgb(120, 118, 165) }
```

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

Here you see how a box with a 4 pixel rgb(120, 118, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 165);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6665, 0.2661, 0.2490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 165) }
```

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

```
.background{ background-color: rgb(120,  
118, 165) }
```

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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