

Converting Colors

$Y_{xy}(19.7807, 0.2484, 0.2515)$

Have a look what the booklet for
Yxy(19.7807, 0.2484, 0.2515)
contains.

Yxy(19.7807, 0.2484, 0.2515)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7807, 0.2484, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	667BA7
RGB	102, 123, 167
RGB Percent	40%, 48%, 65%
CMY	0.5999, 0.5176, 0.3452
CMYK	0.39, 0.26, 0.00, 0.35
HSL	221°, 27%, 53%
HSV	221°, 39%, 65%
XYZ	19.5369, 19.7807, 39.3333
YIQ	121.7370, -26.6400, 9.2320

Conversions

Conversions Part 2

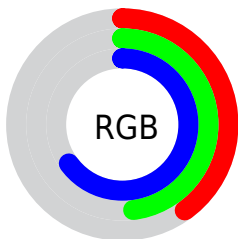
Format	Color
R_{YB}	102, 118, 167
Decimal	6716327
CIE _{Lab}	51.59, 3.75, -25.91
CIE _{LCh}	52, 26.178, 278.242
Yxy	19.7807, 0.2484, 0.2515
Android (android.graphics.Color)	4284906407 (0xFF667BA7)
YUV	121.7370, 22.3147, -17.3093
Hunter-Lab	44.4755, 0.5781, -21.3021

Details

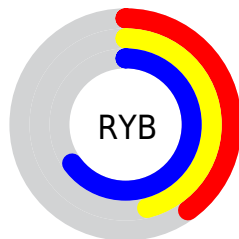
The Yxy color **19.7807, 0.2484, 0.2515** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.7270, 0.3807, 0.3956**, and the grayscale version is **19.3058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9024, 0.2625, 0.2680**, and **6.9738, 0.2240, 0.2239** is the 20% darker color. If you saturate the color by 10%, you get **16.2574, 0.2306, 0.2271**, and if you desaturate by 10%, it is **23.8258, 0.2660, 0.2743**.

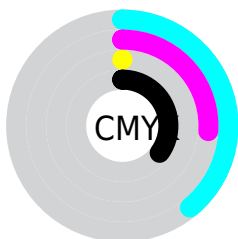
Distribution



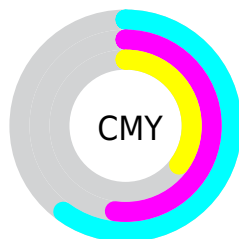
- Red (40%)
- Green (48%)
- Blue (65%)



- Red (40%)
- Yellow (46%)
- Blue (65%)



- Cyan (39%)
- Magenta (26%)
- Yellow (0%)
- Black (35%)



- Cyan (60%)
- Magenta (52%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7807, 0.2484, 0.2515 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 19.7807, 0.2484, 0.2515 by changing the saturation by 10% instead.

■ 19.7807, 0.2484,
0.2515

■ 19.7807, 0.2484,
0.2515

■ 250.7254, 0.2844,
0.2944

■ 12.2357, 0.2380,
0.2394

■ 43.0492, 0.2625,
0.2681

■ 6.9044, 0.2238,
0.2230

■ 59.5415, 0.2675,
0.2740

■ 3.4024, 0.2034,
0.1998

■ 79.7851, 0.2716,
0.2789

■ 1.3453, 0.1723,
0.1651

■ 104.1643, 0.2750,
0.2830

■ 0.1758, 0.0906,
0.0616

■ 133.0636, 0.2779,
0.2865

■ 0.0000, 0.0000,
0.0000

166.8672, 0.2804,

0.2895

205.9597, 0.2825,
0.2921

■ 19.7807, 0.2484,
0.2515

■ 19.7807, 0.2484,
0.2515

■ 16.2574, 0.2306,
0.2271

■ 23.8258, 0.2660,
0.2743

■ 13.2309, 0.2134,
0.2017

■ 28.4119, 0.2831,
0.2952

■ 10.6772, 0.1974,
0.1761

■ 33.5596, 0.2993,
0.3140

■ 8.5691, 0.1834,
0.1514

■ 39.2881, 0.3143,
0.3307

■ 6.8761, 0.1722,
0.1286

■ 45.6153, 0.3282,
0.3455

■ 5.5505, 0.1638,
0.1086

■ 52.5585, 0.3409,
0.3585

■ 5.4214, 0.1630,
0.1066

■ 60.1342, 0.3525,
0.3699

■ 68.3583, 0.3630,
0.3798

■ 77.2461, 0.3725,
0.3884

Harmonies

Analogous

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



19.7807, 0.2271, 0.2645



19.7807, 0.2484, 0.2515



19.7807, 0.2874, 0.2570

Triad

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



19.7807, 0.2484, 0.2515



19.7807, 0.4076, 0.3495



19.7807, 0.2847, 0.3890

Complementary

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



19.7807, 0.2484, 0.2515



29.7270, 0.3807, 0.3956

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.



19.7807, 0.3323, 0.4152



19.7807, 0.2484, 0.2515



19.7807, 0.4052, 0.3864

Square

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



19.7807, 0.2484, 0.2515



19.7807, 0.3818, 0.3111



19.7807, 0.3768, 0.4121



19.7807, 0.2465, 0.3429

Rectangle

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



19.7807, 0.2484, 0.2515



19.7807, 0.3197, 0.2697



19.7807, 0.3768, 0.4121



19.7807, 0.3001, 0.4008

Sweetspot

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



19.7815, 0.2484, 0.2515



56.9517, 0.2940, 0.3080



32.5072, 0.2750, 0.3659



12.4863, 0.2920, 0.3057



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



19.7815, 0.2484, 0.2515



29.7458, 0.2325, 0.2297



15.7965, 0.2539, 0.2166



7.6815, 0.2986, 0.3133



4.2306, 0.1634, 0.1083



0.1950, 0.1824, 0.1766

Inverse Universe

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



19.1494, 0.3757, 0.2966



29.0783, 0.3979, 0.2893



35.6692, 0.3587, 0.4272



7.5808, 0.3237, 0.3217



6.4981, 0.5636, 0.2878



0.1674, 0.4726, 0.2377

Previews

White Background



This preview shows how the Yxy color 19.7807, 0.2484, 0.2515 looks on a white background.

Color Contrast Check

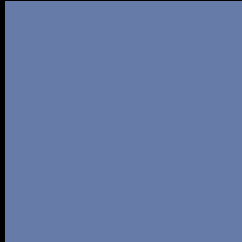
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7807, 0.2484, 0.2515 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

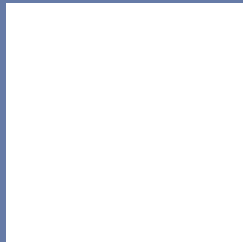
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7807, 0.2484, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 19.7807, 0.2484, 0.2515.



This preview shows how white text looks on a background with the Yxy color 19.7807, 0.2484, 0.2515.

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

19.7807, 0.2484, 0.2515

Protanopia

19.7429, 0.2560, 0.2508

Deuteranopia

19.7160, 0.2542, 0.2491



Tritanopia

19.7353, 0.2665, 0.3076

Trichromacy



Original Color

19.7807, 0.2484, 0.2515

Protanomaly

19.7980, 0.2534, 0.2520

Deuteranomaly

19.7733, 0.2517, 0.2504

Tritanomaly

19.6883, 0.2601, 0.2858

Monochromacy



Original Color

19.7807, 0.2484, 0.2515

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3989, 0.2872, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7807, 0.2484, 0.2515 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(102, 123, 167)` looks like.

```
.text, #text, p{  
    color:rgb(102, 123, 167)  
}
```

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(102, 123, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 123, 167) }
```

Border

The CSS property to change the border of an element to Yxy 19.7807, 0.2484, 0.2515 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(102, 123, 167) }
```

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

```
.border{ border-color:rgb(102, 123, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 123, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 123, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 123, 167);  
box-shadow:4px 4px 4px 4px rgb(102, 123,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7807, 0.2484, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 123, 167) }
```

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

```
.background{ background-color: rgb(102,  
123, 167) }
```

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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