

Converting Colors

$Y_{xy}(19.6328, 0.2513, 0.2572)$

Have a look what the booklet for
Yxy(19.6328, 0.2513, 0.2572)
contains.

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Color

Yxy(19.6350, 0.2515, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	667BA3
RGB	102, 123, 163
RGB Percent	40%, 48%, 64%
CMY	0.5999, 0.5177, 0.3607
CMYK	0.37, 0.25, 0.00, 0.36
HSL	219°, 25%, 52%
HSV	219°, 37%, 64%
XYZ	19.1775, 19.6350, 37.4399
YIQ	121.2810, -25.3560, 7.9880

Conversions

Conversions Part 2

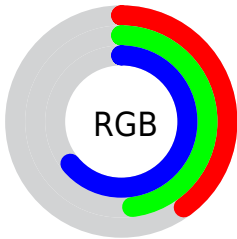
Format	Color
R_{YB}	102, 118, 163
Decimal	6716323
CIE _{Lab}	51.42, 2.65, -23.87
CIE _{LCh}	51, 24.018, 276.332
Yxy	19.6350, 0.2515, 0.2575
Android (android.graphics.Color)	4284906403 (0xFF667BA3)
YUV	121.2810, 20.5675, -16.9094
Hunter-Lab	44.3114, -0.2921, -19.0778

Details

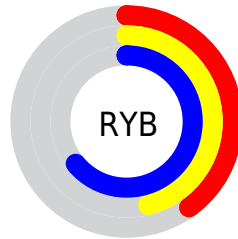
The Yxy color **19.6350, 0.2515, 0.2575** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.1143, 0.3783, 0.3911**, and the grayscale version is **19.1568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6905, 0.2651, 0.2727**, and **6.8837, 0.2277, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **16.2636, 0.2340, 0.2341**, and if you desaturate by 10%, it is **23.4854, 0.2689, 0.2793**.

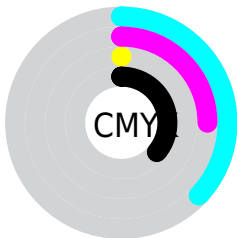
Distribution



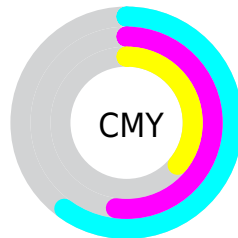
- Red (40%)
- Green (48%)
- Blue (64%)



- Red (40%)
- Yellow (46%)
- Blue (64%)



- Cyan (37%)
- Magenta (25%)
- Yellow (0%)
- Black (36%)



- Cyan (60%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6350, 0.2515, 0.2575 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 19.6350, 0.2515, 0.2575 by changing the saturation by 10% instead.

■ 19.6350, 0.2515,
0.2575

■ 19.6350, 0.2515,
0.2575

249.9323, 0.2859,
0.2973

■ 12.1300, 0.2415,
0.2461

■ 42.8044, 0.2650,
0.2730

■ 6.8323, 0.2278,
0.2306

■ 59.2376, 0.2697,
0.2785

■ 3.3574, 0.2080,
0.2084

■ 79.4156, 0.2736,
0.2830

■ 1.3211, 0.1774,
0.1746

■ 103.7228, 0.2769,
0.2868

■ 0.1574, 0.0856,
0.0629

132.5438, 0.2797,
0.2900

■ 0.0000, 0.0000,
0.0000

166.2627, 0.2820,

0.2928

205.2641, 0.2841,
0.2952

■ 19.6350, 0.2515,
0.2575

■ 19.6350, 0.2515,
0.2575

■ 16.2636, 0.2340,
0.2341

■ 23.4854, 0.2689,
0.2793

■ 13.3487, 0.2169,
0.2097

■ 27.8316, 0.2857,
0.2991

■ 10.8690, 0.2009,
0.1848

■ 32.6923, 0.3016,
0.3170

■ 8.8005, 0.1868,
0.1604

■ 38.0843, 0.3165,
0.3329

■ 7.1162, 0.1753,
0.1375

■ 44.0238, 0.3302,
0.3470

■ 5.7788, 0.1666,
0.1171

■ 50.5263, 0.3428,
0.3594

■ 5.4755, 0.1645,
0.1122

■ 57.6065, 0.3543,
0.3702

■ 65.2786, 0.3648,
0.3796

■ 73.5564, 0.3743,
0.3878

Harmonies

Analogous

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



19.6350, 0.2328, 0.2710



19.6350, 0.2515, 0.2575



19.6350, 0.2868, 0.2614

Triad

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



19.6350, 0.2515, 0.2575



19.6350, 0.3992, 0.3461



19.6350, 0.2898, 0.3861

Complementary

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



19.6350, 0.2515, 0.2575



28.1143, 0.3783, 0.3911

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.



19.6350, 0.3340, 0.4085



19.6350, 0.2515, 0.2575



19.6350, 0.3988, 0.3804

Square

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



19.6350, 0.2515, 0.2575



19.6350, 0.3740, 0.3105



19.6350, 0.3742, 0.4047



19.6350, 0.2534, 0.3448

Rectangle

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



19.6350, 0.2515, 0.2575



19.6350, 0.3164, 0.2726



19.6350, 0.3742, 0.4047



19.6350, 0.3042, 0.3963

Sweetspot

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



19.6358, 0.2515, 0.2575



55.1205, 0.2957, 0.3105



30.9726, 0.2770, 0.3660



12.1282, 0.2936, 0.3082



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.



19.6358, 0.2515, 0.2575



30.0148, 0.2367, 0.2379



15.5459, 0.2556, 0.2214



7.2394, 0.2987, 0.3138



4.3318, 0.1650, 0.1139



0.1763, 0.1854, 0.1873

Inverse Universe

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



18.7282, 0.3704, 0.2959



28.7043, 0.3899, 0.2886



34.0202, 0.3580, 0.4229



7.1243, 0.3233, 0.3213



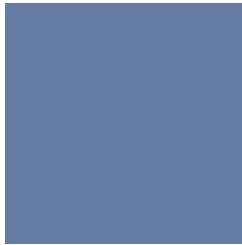
6.2814, 0.5554, 0.2833



0.1406, 0.4599, 0.2307

Previews

White Background



This preview shows how the Yxy color 19.6350, 0.2515, 0.2575 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 19.6350, 0.2515, 0.2575 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

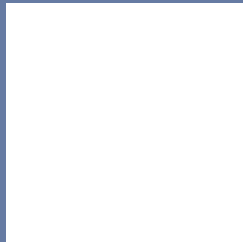
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6350, 0.2515, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 19.6350, 0.2515, 0.2575.

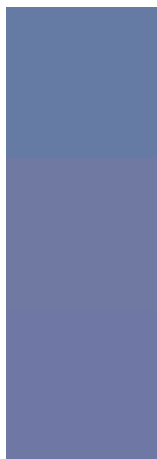


This preview shows how white text looks on a background with the Yxy color 19.6350, 0.2515, 0.2575.

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

19.6350, 0.2515, 0.2575

Protanopia

19.6275, 0.2612, 0.2585

Deuteranopia

19.4928, 0.2584, 0.2522



Tritanopia

19.7601, 0.2683, 0.3095

Trichromacy



Original Color

19.6350, 0.2515, 0.2575

Protanomaly

19.7158, 0.2576, 0.2583

Deuteranomaly

19.5432, 0.2557, 0.2534

Tritanomaly

19.6250, 0.2618, 0.2893

Monochromacy



Original Color

19.6350, 0.2515, 0.2575

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.2740, 0.2881, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6350, 0.2515, 0.2575 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(102, 123, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 123, 163) }
```

Border

The CSS property to change the border of an element to Yxy 19.6350, 0.2515, 0.2575 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, 163) }
```

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

```
.border{ border-color:rgb(102, 123, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 123, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 123, 163);  
box-shadow:4px 4px 4px 4px rgb(102, 123,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6350, 0.2515, 0.2575 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, 163) }
```

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

```
.background{ background-color: rgb(102,  
123, 163) }
```

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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