

Converting Colors

$Y_{xy}(19.5706, 0.2312, 0.2742)$

Have a look what the booklet for
Yxy(19.5706, 0.2312, 0.2742)
contains.

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Color

Yxy(19.6628, 0.2314, 0.2751)

Conversions

Conversions Part 1	
Format	Color
Hex	44829E
RGB	68, 130, 158
RGB Percent	27%, 51%, 62%
CMY	0.7332, 0.4902, 0.3804
CMYK	0.57, 0.18, 0.00, 0.38
HSL	199°, 40%, 44%
HSV	199°, 57%, 62%
XYZ	16.5393, 19.6628, 35.2730
YIQ	114.6540, -45.9400, -4.4360

Conversions

Conversions Part 2

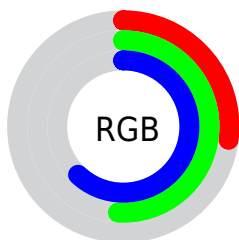
Format	Color
RYB	68, 105, 158
Decimal	4489886
CIELab	51.45, -11.60, -21.06
CIELCh	51, 24.045, 241.144
Yxy	19.6628, 0.2314, 0.2751
Android (android.graphics.Color)	4282679966 (0xFF44829E)
YUV	114.6540, 21.3696, -40.9156
Hunter-Lab	44.3428, -11.0214, -16.1230

Details

The Yxy color **19.6628, 0.2314, 0.2751** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **16.0584, 0.4502, 0.3739**, and the grayscale version is **16.9810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8820, 0.2486, 0.2873**, and **6.9464, 0.2035, 0.2526** is the 20% darker color. If you saturate the color by 10%, you get **17.8925, 0.2202, 0.2637**, and if you desaturate by 10%, it is **21.6502, 0.2440, 0.2861**.

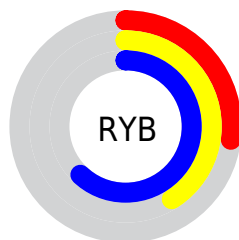
Distribution



Red (27%)

Green (51%)

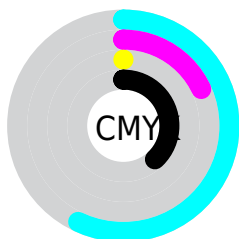
Blue (62%)



Red (27%)

Yellow (41%)

Blue (62%)

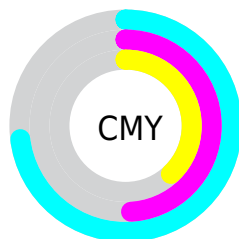


Cyan (57%)

Magenta (18%)

Yellow (0%)

Black (38%)



Cyan (73%)


Magenta (49%)

Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6628, 0.2314, 0.2751 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 19.6628, 0.2314, 0.2751 by changing the saturation by 10% instead.


 19.6628, 0.2314,
0.2751


 19.6628, 0.2314,
0.2751


 250.0838, 0.2764,
0.3063

 12.1502, 0.2186,
0.2656


 42.8511, 0.2489,
0.2876

 6.8460, 0.2013,
0.2524


 59.2956, 0.2551,
0.2919

 3.3660, 0.1768,
0.2326


 79.4861, 0.2602,
0.2954

 1.3257, 0.1400,
0.2007

 103.8072, 0.2645,
0.2984

 0.1609, 0.0000,
0.0812

 132.6430, 0.2682,
0.3008

 0.0000, 0.0000,
0.0000

166.3782, 0.2713,

0.3029

205.3969, 0.2740,
0.3047

■ 19.6628, 0.2314,
0.2751

■ 19.6628, 0.2314,
0.2751

■ 17.8925, 0.2202,
0.2637

■ 21.6502, 0.2440,
0.2861

■ 16.3238, 0.2108,
0.2521

■ 23.8645, 0.2577,
0.2966

■ 14.9417, 0.2033,
0.2404


■ 26.3176, 0.2722,
0.3064


■ 13.7226, 0.1976,
0.2289

■ 29.0196, 0.2872,
0.3154


■ 13.3691, 0.1960,
0.2254

■ 31.9799, 0.3023,
0.3237

 35.2075, 0.3173,
0.3312

 38.7107, 0.3320,
0.3379

 42.4977, 0.3462,
0.3439

 46.5760, 0.3599,
0.3492

Harmonies

Analogous

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



19.6628, 0.2354, 0.3087



19.6628, 0.2314, 0.2751



19.6628, 0.2469, 0.2585

Triad

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



19.6628, 0.2314, 0.2751



19.6628, 0.3676, 0.3047



19.6628, 0.3416, 0.4097

Complementary

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



19.6628, 0.2314, 0.2751



16.0584, 0.4502, 0.3739

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.



19.6628, 0.3799, 0.4017



19.6628, 0.2314, 0.2751



19.6628, 0.3966, 0.3398

Square

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



19.6628, 0.2314, 0.2751



19.6628, 0.3238, 0.2762



19.6628, 0.4008, 0.3750



19.6628, 0.2971, 0.3917

Rectangle

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



19.6628, 0.2314, 0.2751



19.6628, 0.2671, 0.2573



19.6628, 0.4008, 0.3750



19.6628, 0.3556, 0.4097

Sweetspot

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



19.6635, 0.2314, 0.2751



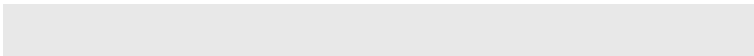
52.4992, 0.2866, 0.3151



26.5116, 0.2863, 0.4551



11.6222, 0.2838, 0.3135



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



19.6635, 0.2314, 0.2751



31.7804, 0.2178, 0.2609



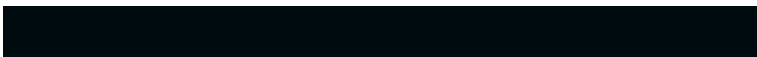
10.3574, 0.2124, 0.1851



7.1608, 0.2988, 0.3219



10.7790, 0.1962, 0.2264



0.2642, 0.2090, 0.2722

Inverse Universe

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



13.0184, 0.3621, 0.2334



19.7468, 0.3775, 0.2182



26.4458, 0.4070, 0.4389



6.7194, 0.3182, 0.3137



6.7104, 0.4165, 0.2068



0.1272, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 19.6628, 0.2314, 0.2751 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 19.6628, 0.2314, 0.2751 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 19.6628, 0.2314, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 19.6628, 0.2314, 0.2751.

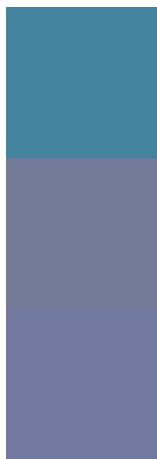


This preview shows how white text looks on a background with the Yxy color 19.6628, 0.2314, 0.2751.

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

19.6628, 0.2314, 0.2751

Protanopia

19.5539, 0.2743, 0.2751

Deuteranopia

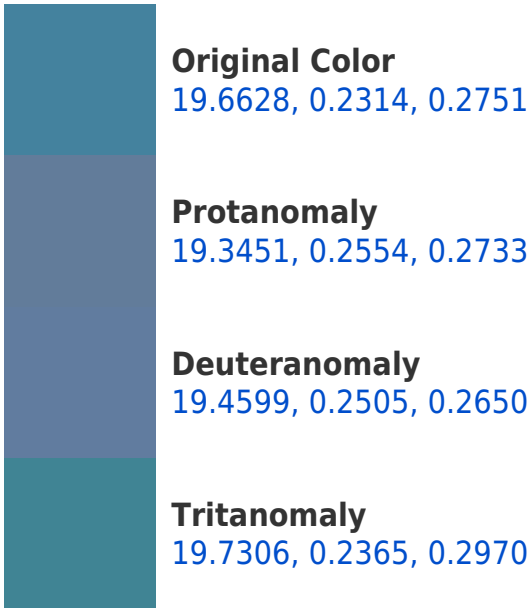
19.4817, 0.2638, 0.2586



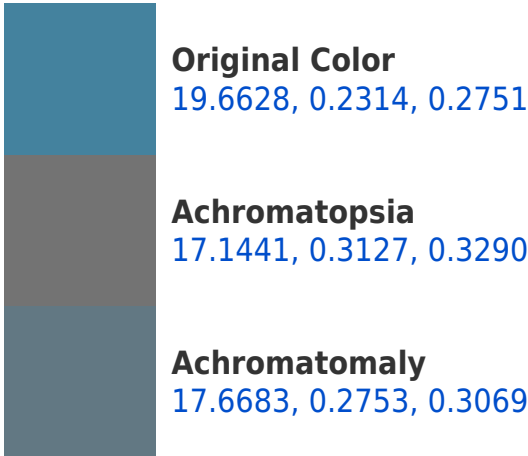
Tritanopia

19.7824, 0.2391, 0.3086

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6628, 0.2314, 0.2751 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(68, 130, 158)` looks like.

```
.text, #text, p{  
    color:rgb(68, 130, 158)  
}
```

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(68, 130, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 130, 158) }
```

Border

The CSS property to change the border of an element to Yxy 19.6628, 0.2314, 0.2751 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(68, 130, 158) }
```

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

```
.border{ border-color:rgb(68, 130, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 130, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 130, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 130, 158);  
box-shadow:4px 4px 4px 4px rgb(68, 130,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6628, 0.2314, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 130, 158) }
```

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

```
.background{ background-color: rgb(68, 130,  
158) }
```

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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