

Converting Colors

$Y_{xy}(19.5312, 0.2229, 0.2814)$

Have a look what the booklet for
Yxy(19.5312, 0.2229, 0.2814)
contains.

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Color

Yxy(19.5312, 0.2229, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	30849C
RGB	48, 132, 156
RGB Percent	19%, 52%, 61%
CMY	0.8117, 0.4823, 0.3882
CMYK	0.69, 0.15, 0.00, 0.39
HSL	193°, 53%, 40%
HSV	193°, 69%, 61%
XYZ	15.4709, 19.5312, 34.4052
YIQ	109.6200, -57.7680, -10.3440

Conversions

Conversions Part 2

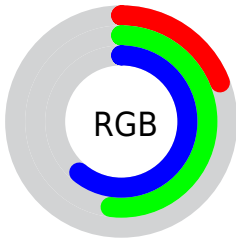
Format	Color
RYB	48, 95, 156
Decimal	3179676
CIELab	51.30, -17.10, -20.18
CIElCh	51, 26.453, 229.729
Yxy	19.5312, 0.2229, 0.2814
Android (android.graphics.Color)	4281369756 (0xFF30849C)
YUV	109.6200, 22.8653, -54.0407
Hunter-Lab	44.1941, -14.8529, -15.2215




Details

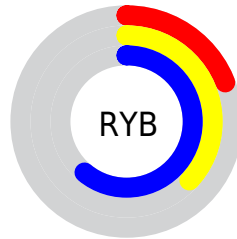
The Yxy color **19.5312, 0.2229, 0.2814** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.9168, 0.5064, 0.3644**, and the grayscale version is **15.4256, 0.3127, 0.3290**.




A 20% lighter version of the original color is **42.5892, 0.2419, 0.2920**, and **7.0545, 0.2058, 0.2608** is the 20% darker color. If you saturate the color by 10%, you get **18.2923, 0.2152, 0.2734**, and if you desaturate by 10%, it is **20.9361, 0.2324, 0.2893**.

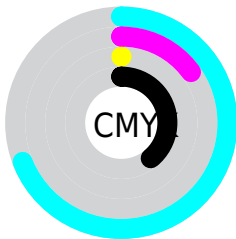
Distribution







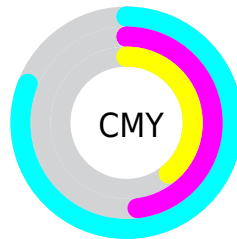
-  Red (19%)
-  Green (52%)
-  Blue (61%)






-  Red (19%)
-  Yellow (37%)
-  Blue (61%)



-  Cyan (69%)
-  Magenta (15%)
-  Yellow (0%)
-  Black (39%)



-  Cyan (81%)
-  Magenta (48%)
-  Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5312, 0.2229, 0.2814 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 19.5312, 0.2229, 0.2814 by changing the saturation by 10% instead.

■ 19.5312, 0.2229,
0.2814

■ 19.5312, 0.2229,
0.2814

■ 249.3658, 0.2725,
0.3095

■ 12.0547, 0.2089,
0.2726

■ 42.6298, 0.2421,
0.2928

■ 6.7810, 0.1901,
0.2601

■ 59.0207, 0.2489,
0.2967

■ 3.3255, 0.1635,
0.2411

■ 79.1519, 0.2546,
0.2999

■ 1.3039, 0.1242,
0.2097

■ 103.4078, 0.2593,
0.3025

■ 0.1442, 0.0000,
0.0781

■ 132.1727, 0.2634,
0.3047

■ 0.0000, 0.0000,
0.0000

■ 165.8311, 0.2668,

0.3065

204.7673, 0.2698,
0.3081

■ 19.5312, 0.2229,
0.2814

■ 19.5312, 0.2229,
0.2814

■ 18.2923, 0.2152,
0.2734

■ 20.9361, 0.2324,
0.2893

■ 17.2024, 0.2093,
0.2653

■ 22.5179, 0.2436,
0.2970

■ 16.2297, 0.2050,
0.2574

■ 24.2886, 0.2561,
0.3044

■ 16.1560, 0.2047,
0.2567

■ 26.2585, 0.2697,
0.3114

■ 28.4373, 0.2840,
0.3179

■ 30.8337, 0.2989,
0.3239

■ 33.4559, 0.3139,
0.3294

■ 36.3119, 0.3289,
0.3343

■ 39.4089, 0.3436,
0.3388

Harmonies

Analogous

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



19.5312, 0.2353, 0.3240



19.5312, 0.2229, 0.2814



19.5312, 0.2318, 0.2562

Triad

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



19.5312, 0.2229, 0.2814



19.5312, 0.3558, 0.2893



19.5312, 0.3616, 0.4179

Complementary

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



19.5312, 0.2229, 0.2814



11.9168, 0.5064, 0.3644

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.



19.5312, 0.3981, 0.3991



19.5312, 0.2229, 0.2814



19.5312, 0.3960, 0.3254

Square

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



19.5312, 0.2229, 0.2814



19.5312, 0.3054, 0.2626



19.5312, 0.4116, 0.3646



19.5312, 0.3137, 0.4098

Rectangle

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



19.5312, 0.2229, 0.2814



19.5312, 0.2491, 0.2503



19.5312, 0.4116, 0.3646



19.5312, 0.3757, 0.4141

Sweetspot

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



19.5319, 0.2229, 0.2814



50.7512, 0.2808, 0.3165



24.8647, 0.2898, 0.5054



10.9431, 0.2772, 0.3149



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.5319, 0.2229, 0.2814



32.1206, 0.2118, 0.2690



8.5645, 0.1953, 0.1675



7.2592, 0.2988, 0.3239



13.3610, 0.2048, 0.2573



0.2959, 0.2137, 0.2891

Inverse Universe

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



10.8485, 0.3592, 0.2058



16.7877, 0.3726, 0.1930



22.0501, 0.4361, 0.4446



6.7293, 0.3169, 0.3118



6.9710, 0.3850, 0.1895



0.1304, 0.3551, 0.1730

Previews

White Background



This preview shows how the Yxy color 19.5312, 0.2229, 0.2814 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 19.5312, 0.2229, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

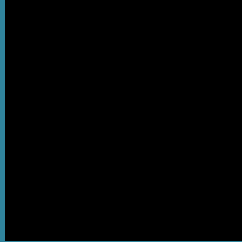
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5312, 0.2229, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 19.5312, 0.2229, 0.2814.

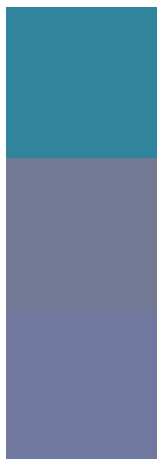


This preview shows how white text looks on a background with the Yxy color 19.5312, 0.2229, 0.2814.

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

19.5312, 0.2229, 0.2814

Protanopia

19.2159, 0.2770, 0.2782

Deuteranopia

19.4469, 0.2647, 0.2602



Tritanopia

19.5659, 0.2277, 0.3061

Trichromacy



Original Color

19.5312, 0.2229, 0.2814

Protanomaly

18.8738, 0.2516, 0.2776

Deuteranomaly

19.0078, 0.2444, 0.2655

Tritanomaly

19.4805, 0.2259, 0.2963

Monochromacy



Original Color

19.5312, 0.2229, 0.2814

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.5154, 0.2673, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5312, 0.2229, 0.2814 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(48, 132, 156)` looks like.

```
.text, #text, p{  
    color:rgb(48, 132, 156)  
}
```

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(48, 132, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 132, 156) }
```

Border

The CSS property to change the border of an element to Yxy 19.5312, 0.2229, 0.2814 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(48, 132, 156) }
```

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

```
.border{ border-color:rgb(48, 132, 156) }
```

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

Here you see how a box with a 4 pixel rgb(48, 132, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 132, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 132, 156);  
box-shadow:4px 4px 4px 4px rgb(48, 132,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5312, 0.2229, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 132, 156) }
```

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

```
.background{ background-color: rgb(48, 132,  
156) }
```

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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