

Converting Colors

$Y_{xy}(21.7070, 0.2313, 0.2877)$

Have a look what the booklet for
Yxy(21.7070, 0.2313, 0.2877)
contains.

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Color

Yxy(21.7701, 0.2318, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	408A9F
RGB	64, 138, 159
RGB Percent	25%, 54%, 62%
CMY	0.7494, 0.4588, 0.3765
CMYK	0.60, 0.13, 0.00, 0.38
HSL	193°, 43%, 44%
HSV	193°, 60%, 62%
XYZ	17.4552, 21.7701, 36.0777
YIQ	118.2680, -50.8450, -9.1570

Conversions

Conversions Part 2

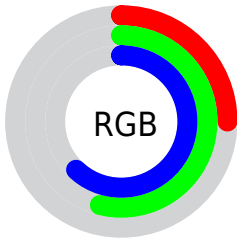
Format	Color
R _{YB}	64, 106, 159
Decimal	4229791
CIE _{Lab}	53.78, -16.58, -18.08
CIE _{LCh}	54, 24.532, 227.481
Yxy	21.7701, 0.2318, 0.2891
Android (android.graphics.Color)	4282419871 (0xFF408A9F)
YUV	118.2680, 20.0809, -47.5930
Hunter-Lab	46.6584, -14.8742, -13.1839

Details

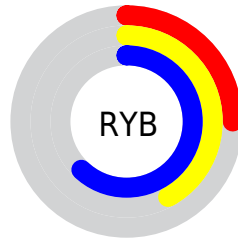
The Yxy color **21.7701, 0.2318, 0.2891** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.2171, 0.4699, 0.3619**, and the grayscale version is **18.1459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5474, 0.2485, 0.2987**, and **8.0622, 0.2088, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **20.3223, 0.2224, 0.2812**, and if you desaturate by 10%, it is **23.4039, 0.2429, 0.2968**.

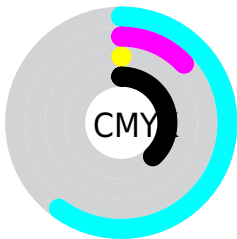
Distribution



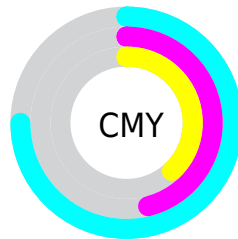
- Red (25%)
- Green (54%)
- Blue (62%)



- Red (25%)
- Yellow (42%)
- Blue (62%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)



- Cyan (75%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7701, 0.2318, 0.2891 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 21.7701, 0.2318, 0.2891 by changing the saturation by 10% instead.

■ 21.7701, 0.2318,
0.2891

■ 21.7701, 0.2318,
0.2891

■ 261.3433, 0.2760,
0.3124

■ 13.6881, 0.2195,
0.2819

■ 46.3657, 0.2488,
0.2985

■ 7.9040, 0.2030,
0.2718

■ 63.6481, 0.2549,
0.3017

■ 4.0336, 0.1797,
0.2566

■ 84.7661, 0.2599,
0.3044

■ 1.6924, 0.1453,
0.2315

■ 110.1040, 0.2642,
0.3065

■ 0.4187, 0.0000,
0.1779

■ 140.0463, 0.2678,
0.3083

■ 0.0000, 0.0000,
0.0000

174.9774, 0.2709,

0.3099

215.2816, 0.2736,
0.3112

■ 21.7701, 0.2318,
0.2891

■ 21.7701, 0.2318,
0.2891

■ 20.3223, 0.2224,
0.2812

■ 23.4039, 0.2429,
0.2968

■ 19.0444, 0.2148,
0.2732

■ 25.2333, 0.2553,
0.3042

■ 17.9214, 0.2091,
0.2653

■ 27.2700, 0.2688,
0.3111

■ 16.9167, 0.2049,
0.2573

■ 29.5241, 0.2832,
0.3176

■ 16.8976, 0.2048,
0.2572

■ 32.0047, 0.2980,
0.3236

■ 34.7205, 0.3130,
0.3291

■ 37.6799, 0.3280,
0.3340

■ 40.8904, 0.3428,
0.3385

■ 44.3596, 0.3572,
0.3424

Harmonies

Analogous

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



21.7701, 0.2447, 0.3282



21.7701, 0.2318, 0.2891



21.7701, 0.2385, 0.2647

Triad

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



21.7701, 0.2318, 0.2891



21.7701, 0.3481, 0.2911



21.7701, 0.3599, 0.4079

Complementary

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



21.7701, 0.2318, 0.2891



14.2171, 0.4699, 0.3619

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.



21.7701, 0.3911, 0.3904



21.7701, 0.2318, 0.2891



21.7701, 0.3850, 0.3235

Square

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



21.7701, 0.2318, 0.2891



21.7701, 0.3031, 0.2676



21.7701, 0.4010, 0.3591



21.7701, 0.3173, 0.4021

Rectangle

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



21.7701, 0.2318, 0.2891



21.7701, 0.2533, 0.2582



21.7701, 0.4010, 0.3591



21.7701, 0.3722, 0.4043

Sweetspot

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



21.7709, 0.2318, 0.2891



53.5069, 0.2853, 0.3185



26.5275, 0.2910, 0.4787



11.7986, 0.2813, 0.3168



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.



21.7709, 0.2318, 0.2891



35.5512, 0.2195, 0.2784



11.0456, 0.2106, 0.1923



7.2610, 0.2988, 0.3240



13.4115, 0.2050, 0.2579



0.2965, 0.2137, 0.2894

Inverse Universe

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



12.8614, 0.3510, 0.2179



19.2561, 0.3626, 0.2010



24.2547, 0.4191, 0.4330



6.7295, 0.3169, 0.3117



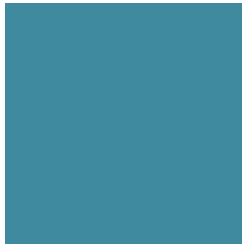
6.9761, 0.3845, 0.1892



0.1305, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 21.7701, 0.2318, 0.2891 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 21.7701, 0.2318, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

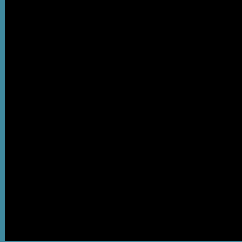
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7701, 0.2318, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 21.7701, 0.2318, 0.2891.



This preview shows how white text looks on a background with the Yxy color 21.7701, 0.2318, 0.2891.

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

21.7701, 0.2318, 0.2891

Protanopia

21.6241, 0.2835, 0.2872

Deuteranopia

21.4868, 0.2730, 0.2663



Tritanopia

21.6603, 0.2352, 0.3054

Trichromacy



Original Color

21.7701, 0.2318, 0.2891

Protanomaly

21.3905, 0.2608, 0.2871

Deuteranomaly

21.3633, 0.2549, 0.2737

Tritanomaly

21.7904, 0.2338, 0.2999

Monochromacy



Original Color

21.7701, 0.2318, 0.2891

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9574, 0.2743, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7701, 0.2318, 0.2891 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(64, 138, 159)` looks like.

```
.text, #text, p{  
    color:rgb(64, 138, 159)  
}
```

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(64, 138, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 138, 159) }
```

Border

The CSS property to change the border of an element to Yxy 21.7701, 0.2318, 0.2891 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(64, 138, 159) }
```

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

```
.border{ border-color:rgb(64, 138, 159) }
```

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

Here you see how a box with a 4 pixel rgb(64, 138, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 138, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 138, 159);  
box-shadow:4px 4px 4px 4px rgb(64, 138,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7701, 0.2318, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 138, 159) }
```

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

```
.background{ background-color: rgb(64, 138,  
159) }
```

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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