

Converting Colors

$Y_{xy}(10.5656, 0.2917, 0.2488)$

Have a look what the booklet for
Yxy(10.5656, 0.2917, 0.2488)
contains.

Yxy(10.5702, 0.2916, 0.2492)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.5702, 0.2916, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	695379
RGB	105, 83, 121
RGB Percent	41%, 33%, 47%
CMY	0.5883, 0.6745, 0.5255
CMYK	0.13, 0.31, 0.00, 0.53
HSL	275°, 19%, 40%
HSV	275°, 31%, 47%
XYZ	12.3687, 10.5702, 19.4777
YIQ	93.9100, 0.9140, 16.4820

Conversions

Conversions Part 2

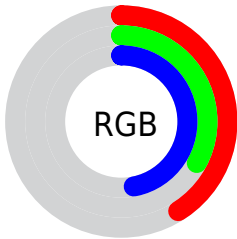
Format	Color
R_{YB}	105, 83, 121
Decimal	6902649
CIE _{Lab}	38.85, 16.97, -18.13
CIE _{LCh}	39, 24.829, 313.105
Yxy	10.5702, 0.2916, 0.2492
Android (android.graphics.Color)	4285092729 (0xFF695379)
YUV	93.9100, 13.3554, 9.7259
Hunter-Lab	32.5118, 11.0120, -12.7620

Details

The Yxy color **10.5702, 0.2916, 0.2492** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.9537, 0.3285, 0.4110**, and the grayscale version is **11.1387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9603, 0.2985, 0.2697**, and **2.7240, 0.2786, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **8.5780, 0.2828, 0.2217**, and if you desaturate by 10%, it is **12.9050, 0.2994, 0.2761**.

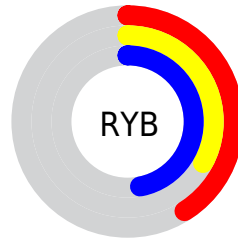
Distribution



Red (41%)

Green (33%)

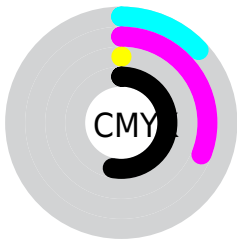
Blue (47%)



Red (41%)

Yellow (33%)

Blue (47%)

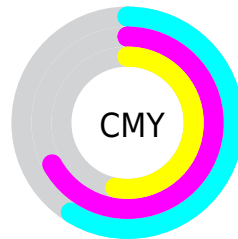


Cyan (13%)

Magenta (31%)

Yellow (0%)

Black (53%)



Cyan (59%)

Magenta (67%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5702, 0.2916, 0.2492 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 10.5702, 0.2916, 0.2492 by changing the saturation by 10% instead.

■ 10.5702, 0.2916,
0.2492

■ 10.5702, 0.2916,
0.2492

■ 194.6946, 0.3053,
0.2964

■ 5.7786, 0.2864,
0.2341

■ 26.8626, 0.2977,
0.2686

■ 2.7109, 0.2781,
0.2122

■ 39.1322, 0.2996,
0.2751

■ 0.9828, 0.2631,
0.1781

■ 54.6633, 0.3011,
0.2804

■ 0.0000, 0.2047,
0.0000

■ 73.8403, 0.3023,
0.2847

■ 0.0000, 0.0000,
0.0000

■ 97.0475, 0.3033,
0.2884

124.6694, 0.3041,

0.2915

157.0903, 0.3047,
0.2941

■ 10.5702, 0.2916,
0.2492

■ 10.5702, 0.2916,
0.2492

■ 8.5780, 0.2828,
0.2217

■ 12.9050, 0.2994,
0.2761

■ 6.9100, 0.2731,
0.1945

■ 15.5970, 0.3062,
0.3018

■ 5.5480, 0.2627,
0.1687

■ 18.6615, 0.3120,
0.3258

■ 4.4713, 0.2519,
0.1453

■ 22.1125, 0.3169,
0.3480

■ 3.6568, 0.2410,
0.1257

■ 25.9633, 0.3210,
0.3683

■ 3.0773, 0.2305,
0.1105

■ 30.2266, 0.3244,
0.3867

■ 2.6822, 0.2217,
0.0995

■ 34.9144, 0.3272,
0.4033

■ 40.0383, 0.3295,
0.4182

■ 45.6093, 0.3314,
0.4316

Harmonies

Analogous

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



10.5702, 0.2443, 0.2395



10.5702, 0.2916, 0.2492



10.5702, 0.3495, 0.2759

Triad

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



10.5702, 0.2916, 0.2492



10.5702, 0.4165, 0.4004



10.5702, 0.2305, 0.3353

Complementary

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



10.5702, 0.2916, 0.2492



16.9537, 0.3285, 0.4110

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.



10.5702, 0.2713, 0.3922



10.5702, 0.2916, 0.2492



10.5702, 0.3790, 0.4286

Square

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



10.5702, 0.2916, 0.2492



10.5702, 0.4255, 0.3587



10.5702, 0.3255, 0.4282



10.5702, 0.2117, 0.2829

Rectangle

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



10.5702, 0.2916, 0.2492



10.5702, 0.3856, 0.3008



10.5702, 0.3255, 0.4282



10.5702, 0.2419, 0.3549

Sweetspot

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



10.5706, 0.2916, 0.2492



29.0647, 0.3075, 0.3071



12.2333, 0.2643, 0.2806



6.5014, 0.3068, 0.3042



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



10.5706, 0.2916, 0.2492



16.1796, 0.2851, 0.2285



11.5720, 0.3200, 0.2594



3.9973, 0.3076, 0.3075



2.8676, 0.2215, 0.0994



13.1698, 0.2167, 0.0967

Inverse Universe

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



11.1542, 0.3514, 0.2962



17.4576, 0.3644, 0.2881



16.1789, 0.3060, 0.4102



4.0405, 0.3217, 0.3200



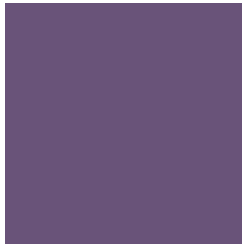
4.6103, 0.5211, 0.2644



21.8291, 0.5336, 0.2713

Previews

White Background



This preview shows how the Yxy color 10.5702, 0.2916, 0.2492 looks on a white 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

Black Background



This preview shows how the Yxy color 10.5702, 0.2916, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

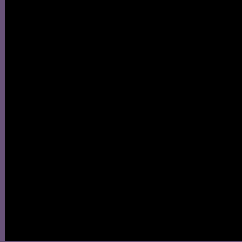
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5702, 0.2916, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 10.5702, 0.2916, 0.2492.



This preview shows how white text looks on a background with the Yxy color 10.5702, 0.2916, 0.2492.

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

10.5702, 0.2916, 0.2492

Protanopia

10.5940, 0.2529, 0.2462

Deuteranopia

10.5997, 0.2656, 0.2608



Tritanopia

10.5724, 0.3233, 0.3129

Trichromacy



Original Color

10.5702, 0.2916, 0.2492

Protanomaly

10.4707, 0.2657, 0.2457

Deuteranomaly

10.4478, 0.2744, 0.2557

Tritanomaly

10.4798, 0.3114, 0.2886

Monochromacy



Original Color

10.5702, 0.2916, 0.2492

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.9085, 0.3048, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5702, 0.2916, 0.2492 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(105, 83, 121)` looks like.

```
.text, #text, p{  
    color:rgb(105, 83, 121)  
}
```

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(105, 83, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 83, 121) }
```

Border

The CSS property to change the border of an element to Yxy 10.5702, 0.2916, 0.2492 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(105, 83, 121) }
```

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

```
.border{ border-color:rgb(105, 83, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 83, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 83, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 83, 121);  
box-shadow:4px 4px 4px 4px rgb(105, 83,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5702, 0.2916, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 83, 121) }
```

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

```
.background{ background-color: rgb(105, 83,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor