

Converting Colors

$Y_{xy}(11.7302, 0.2320, 0.1917)$

Have a look what the booklet for
Yxy(11.7302, 0.2320, 0.1917)
contains.

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Color

Yxy(11.7768, 0.2324, 0.1923)

Conversions

Conversions Part 1

Format	Color
Hex	5B58A1
RGB	91, 88, 161
RGB Percent	36%, 35%, 63%
CMY	0.6433, 0.6548, 0.3687
CMYK	0.43, 0.45, 0.00, 0.37
HSL	242°, 29%, 49%
HSV	242°, 45%, 63%
XYZ	14.2326, 11.7768, 35.2324
YIQ	97.2190, -21.6450, 23.3390

Conversions

Conversions Part 2

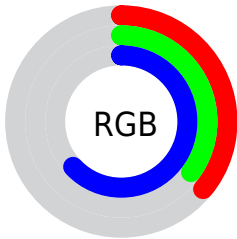
Format	Color
R _Y B	91, 88, 161
Decimal	5986465
CIE Lab	40.86, 20.43, -39.27
CIE LCh	41, 44.269, 297.484
Yxy	11.7768, 0.2324, 0.1923
Android (android.graphics.Color)	4284176545 (0xFF5B58A1)
YUV	97.2190, 31.4440, -5.4541
Hunter-Lab	34.3173, 13.9748, -36.8488

Details

The Yxy color **11.7768, 0.2324, 0.1923** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.4614, 0.3752, 0.4388**, and the grayscale version is **11.9350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1546, 0.2528, 0.2223**, and **3.2439, 0.1964, 0.1440** is the 20% darker color. If you saturate the color by 10%, you get **8.7136, 0.2118, 0.1579**, and if you desaturate by 10%, it is **15.5861, 0.2528, 0.2266**.

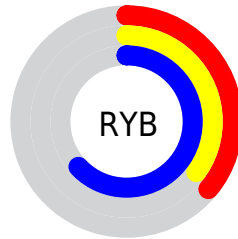
Distribution



Red (36%)

Green (35%)

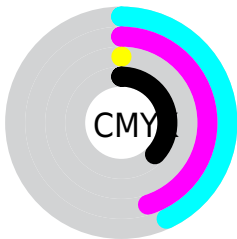
Blue (63%)



Red (36%)

Yellow (35%)

Blue (63%)

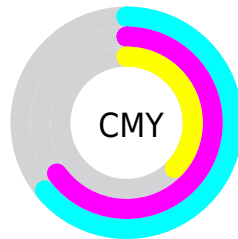


Cyan (43%)

Magenta (45%)

Yellow (0%)

Black (37%)



Cyan (64%)

Magenta (65%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7768, 0.2324, 0.1923 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 11.7768, 0.2324, 0.1923 by changing the saturation by 10% instead.

■ 11.7768, 0.2324,
0.1923

■ 11.7768, 0.2324,
0.1923

■ 202.9220, 0.2808,
0.2686

■ 6.5919, 0.2172,
0.1712

■ 29.0879, 0.2522,
0.2218

■ 3.2082, 0.1958,
0.1433

■ 41.9829, 0.2590,
0.2323

■ 1.2414, 0.1643,
0.1062

■ 58.2168, 0.2644,
0.2410

■ 0.0951, 0.1172,
0.0189

■ 78.1738, 0.2689,
0.2483

■ 0.0000, 0.0000,
0.0000

■ 102.2385, 0.2726,
0.2545

130.7951, 0.2757,

0.2599

164.2282, 0.2784,
0.2645

■ 11.7768, 0.2324,
0.1923

■ 11.7768, 0.2324,
0.1923

■ 8.7136, 0.2118,
0.1579

■ 15.5861, 0.2528,
0.2266

■ 6.3463, 0.1923,
0.1257

■ 20.1846, 0.2720,
0.2593

■ 4.6208, 0.1753,
0.0982

■ 25.6137, 0.2896,
0.2892

■ 3.4741, 0.1623,
0.0777

■ 31.9116, 0.3052,
0.3160

■ 2.8271, 0.1541,
0.0651

■ 39.1139, 0.3189,
0.3397

■ 2.6144, 0.1515,
0.0608

■ 47.2545, 0.3307,
0.3602

■ 56.3654, 0.3409,
0.3780

■ 66.4771, 0.3496,
0.3934

■ 77.6187, 0.3571,
0.4066

Harmonies

Analogous

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



11.7768, 0.1766, 0.1903



11.7768, 0.2324, 0.1923



11.7768, 0.3200, 0.2201

Triad

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



11.7768, 0.2324, 0.1923



11.7768, 0.4993, 0.3978



11.7768, 0.2053, 0.3924

Complementary

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



11.7768, 0.2324, 0.1923



33.4614, 0.3752, 0.4388

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.



11.7768, 0.2822, 0.4874



11.7768, 0.2324, 0.1923



11.7768, 0.4520, 0.4644

Square

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



11.7768, 0.2324, 0.1923



11.7768, 0.4908, 0.3306



11.7768, 0.3723, 0.5085



11.7768, 0.1615, 0.2870

Rectangle

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



11.7768, 0.2324, 0.1923



11.7768, 0.3880, 0.2508



11.7768, 0.3723, 0.5085



11.7768, 0.2279, 0.4291

Sweetspot

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



11.7772, 0.2324, 0.1923



47.0052, 0.2913, 0.2922



29.2898, 0.2524, 0.3246



9.8410, 0.2880, 0.2864



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.



11.7772, 0.2324, 0.1923



15.7596, 0.2124, 0.1590



14.0620, 0.2738, 0.2063



6.8729, 0.2993, 0.3058



2.0929, 0.1517, 0.0609



0.0478, 0.1594, 0.0652

Inverse Universe

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



17.0277, 0.3216, 0.2248



26.3557, 0.3236, 0.2056



30.3307, 0.3376, 0.4542



7.1972, 0.3143, 0.3077



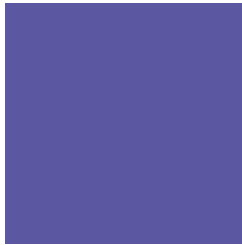
7.9301, 0.3311, 0.1597



0.1680, 0.3271, 0.1575

Previews

White Background



This preview shows how the Yxy color 11.7768, 0.2324, 0.1923 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 11.7768, 0.2324, 0.1923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

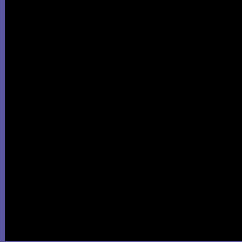
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7768, 0.2324, 0.1923

Background



This preview shows how black text looks on a background with the Yxy color 11.7768, 0.2324, 0.1923.



This preview shows how white text looks on a background with the Yxy color 11.7768, 0.2324, 0.1923.

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

11.7768, 0.2324, 0.1923

Protanopia

11.8854, 0.2073, 0.1882

Deuteranopia

11.8933, 0.2079, 0.2033



Tritanopia

11.7748, 0.2716, 0.3097

Trichromacy



Original Color

11.7768, 0.2324, 0.1923

Protanomaly

11.8268, 0.2153, 0.1894

Deuteranomaly

11.8087, 0.2153, 0.1986

Tritanomaly

11.6919, 0.2559, 0.2603

Monochromacy



Original Color

11.7768, 0.2324, 0.1923

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.7944, 0.2796, 0.2723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7768, 0.2324, 0.1923 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(91, 88, 161)` looks like.

```
.text, #text, p{  
    color:rgb(91, 88, 161)  
}
```

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(91, 88, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 88, 161) }
```

Border

The CSS property to change the border of an element to Yxy 11.7768, 0.2324, 0.1923 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(91, 88, 161) }
```

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

```
.border{ border-color:rgb(91, 88, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 88, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 88, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 88, 161);  
box-shadow:4px 4px 4px 4px rgb(91, 88,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7768, 0.2324, 0.1923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 88, 161) }
```

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

```
.background{ background-color: rgb(91, 88,  
161) }
```

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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