

Converting Colors

$Y_{xy}(13.7583, 0.2269, 0.2020)$

Have a look what the booklet for
Yxy(13.7583, 0.2269, 0.2020)
contains.

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Color

Yxy(13.7771, 0.2269, 0.2022)

Conversions

Conversions Part 1

Format	Color
Hex	5763A8
RGB	87, 99, 168
RGB Percent	34%, 39%, 66%
CMY	0.6589, 0.6118, 0.3411
CMYK	0.48, 0.41, 0.00, 0.34
HSL	231°, 32%, 50%
HSV	231°, 48%, 66%
XYZ	15.4601, 13.7771, 38.8988
YIQ	103.2780, -29.3010, 18.9150

Conversions

Conversions Part 2

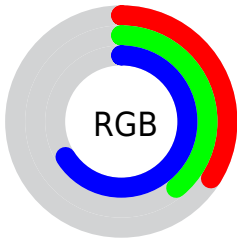
Format	Color
R_{YB}	87, 97, 168
Decimal	5727144
CIE _{Lab}	43.91, 14.70, -38.62
CIE _{LCh}	44, 41.319, 290.835
Yxy	13.7771, 0.2269, 0.2022
Android (android.graphics.Color)	4283917224 (0xFF5763A8)
YUV	103.2780, 31.9079, -14.2758
Hunter-Lab	37.1175, 9.3925, -36.1532

Details

The Yxy color **13.7771, 0.2269, 0.2022** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.7906, 0.3899, 0.4296**, and the grayscale version is **13.5602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8572, 0.2468, 0.2294**, and **4.0753, 0.1915, 0.1582** is the 20% darker color. If you saturate the color by 10%, you get **10.5856, 0.2075, 0.1712**, and if you desaturate by 10%, it is **17.6382, 0.2466, 0.2327**.

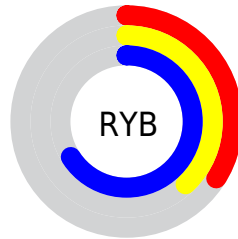
Distribution



Red (34%)

Green (39%)

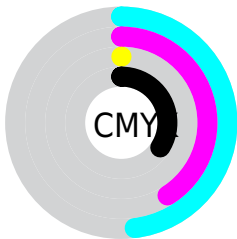
Blue (66%)



Red (34%)

Yellow (38%)

Blue (66%)

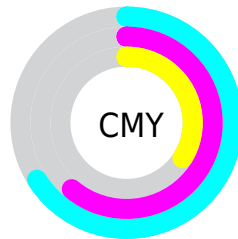


Cyan (48%)

Magenta (41%)

Yellow (0%)

Black (34%)



Cyan (66%)

Magenta (61%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7771, 0.2269, 0.2022 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 13.7771, 0.2269, 0.2022 by changing the saturation by 10% instead.

■ 13.7771, 0.2269,
0.2022

■ 13.7771, 0.2269,
0.2022

215.8397, 0.2770,
0.2725

■ 7.9658, 0.2119,
0.1828

■ 32.6930, 0.2470,
0.2292

■ 4.0731, 0.1912,
0.1573

■ 46.5664, 0.2540,
0.2390

■ 1.7145, 0.1615,
0.1229

■ 63.8959, 0.2596,
0.2470

■ 0.4330, 0.1188,
0.0668

■ 85.0660, 0.2643,
0.2537

■ 0.0000, 0.0000,
0.0000

110.4610, 0.2683,
0.2595

140.4654, 0.2716,

0.2644

175.4635, 0.2745,
0.2687

■ 13.7771, 0.2269,
0.2022

■ 13.7771, 0.2269,
0.2022

■ 10.5856, 0.2075,
0.1712

■ 17.6382, 0.2466,
0.2327

■ 8.0236, 0.1895,
0.1412

■ 22.2029, 0.2657,
0.2615

■ 6.0490, 0.1742,
0.1141

■ 27.5047, 0.2837,
0.2879

■ 4.6136, 0.1625,
0.0917

■ 33.5744, 0.3003,
0.3116

■ 3.6520, 0.1548,
0.0753

■ 40.4411, 0.3152,
0.3325

■ 3.5199, 0.1536,
0.0729

■ 48.1322, 0.3286,
0.3509

■ 56.6742, 0.3405,
0.3668

■ 66.0919, 0.3509,
0.3807

■ 76.4095, 0.3601,
0.3926

Harmonies

Analogous

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



13.7771, 0.1819, 0.2068



13.7771, 0.2269, 0.2022



13.7771, 0.3006, 0.2227

Triad

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



13.7771, 0.2269, 0.2022



13.7771, 0.4831, 0.3808



13.7771, 0.2306, 0.4063

Complementary

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



13.7771, 0.2269, 0.2022



32.7906, 0.3899, 0.4296

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.



13.7771, 0.3052, 0.4777



13.7771, 0.2269, 0.2022



13.7771, 0.4523, 0.4413

Square

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



13.7771, 0.2269, 0.2022



13.7771, 0.4612, 0.3194



13.7771, 0.3862, 0.4844



13.7771, 0.1823, 0.3118

Rectangle

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



13.7771, 0.2269, 0.2022



13.7771, 0.3601, 0.2484



13.7771, 0.3862, 0.4844



13.7771, 0.2533, 0.4357

Sweetspot

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



13.7776, 0.2269, 0.2022



54.1052, 0.2905, 0.2976



32.4330, 0.2579, 0.3497



11.3082, 0.2870, 0.2926



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.7776, 0.2269, 0.2022



18.7744, 0.2059, 0.1686



13.3096, 0.2528, 0.1912



7.4735, 0.2986, 0.3092



2.7065, 0.1539, 0.0741



0.1176, 0.1669, 0.1206

Inverse Universe

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



16.0413, 0.4227, 0.3108



23.9265, 0.4635, 0.3080



34.2454, 0.3533, 0.4569



7.5598, 0.3263, 0.3257



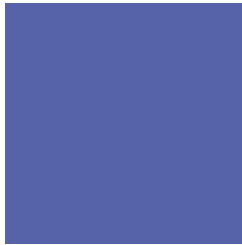
6.3443, 0.6165, 0.3170



0.1596, 0.5457, 0.2780

Previews

White Background



This preview shows how the Yxy color 13.7771, 0.2269, 0.2022 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 13.7771, 0.2269, 0.2022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

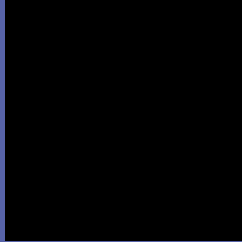
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7771, 0.2269, 0.2022

Background



This preview shows how black text looks on a background with the Yxy color 13.7771, 0.2269, 0.2022.

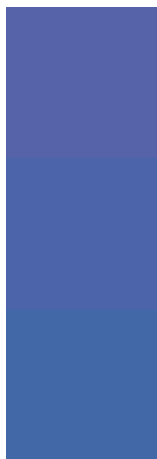


This preview shows how white text looks on a background with the Yxy color 13.7771, 0.2269, 0.2022.

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

13.7771, 0.2269, 0.2022

Protanopia

13.7461, 0.2173, 0.2006

Deuteranopia

13.8489, 0.2131, 0.2082



Tritanopia

13.8615, 0.2575, 0.3083

Trichromacy



Original Color

13.7771, 0.2269, 0.2022

Protanomaly

13.6844, 0.2207, 0.2010

Deuteranomaly

13.7486, 0.2180, 0.2060

Tritanomaly

13.6920, 0.2445, 0.2630

Monochromacy



Original Color

13.7771, 0.2269, 0.2022

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5764, 0.2753, 0.2766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7771, 0.2269, 0.2022 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(87, 99, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 99, 168)  
}
```

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(87, 99, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 99, 168) }
```

Border

The CSS property to change the border of an element to Yxy 13.7771, 0.2269, 0.2022 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(87, 99, 168) }
```

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

```
.border{ border-color:rgb(87, 99, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 99, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 99, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 99, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 99,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7771, 0.2269, 0.2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 99, 168) }
```

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

```
.background{ background-color: rgb(87, 99,  
168) }
```

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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