

Converting Colors

$Y_{xy}(13.0884, 0.2771, 0.2269)$

Have a look what the booklet for
Yxy(13.0884, 0.2771, 0.2269)
contains.

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Color

Yxy(13.0697, 0.2777, 0.2273)

Conversions

Conversions Part 1

Format	Color
Hex	745A91
RGB	116, 90, 145
RGB Percent	45%, 35%, 57%
CMY	0.5451, 0.6470, 0.4314
CMYK	0.20, 0.38, 0.00, 0.43
HSL	268°, 23%, 46%
HSV	268°, 38%, 57%
XYZ	15.9677, 13.0697, 28.4624
YIQ	104.0440, -2.1590, 22.6170

Conversions

Conversions Part 2

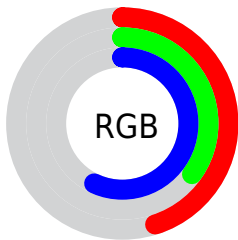
Format	Color
R _Y B	116, 90, 145
Decimal	7625361
CIE Lab	42.87, 22.15, -26.38
CIE LCh	43, 34.448, 310.015
Yxy	13.0697, 0.2777, 0.2273
Android (android.graphics.Color)	4285815441 (0xFF745A91)
YUV	104.0440, 20.1913, 10.4854
Hunter-Lab	36.1520, 15.5741, -21.3724

Details

The Yxy color **13.0697, 0.2777, 0.2273** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.9060, 0.3379, 0.4299**, and the grayscale version is **13.8014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3147, 0.2871, 0.2494**, and **3.7678, 0.2586, 0.1886** is the 20% darker color. If you saturate the color by 10%, you get **10.3556, 0.2656, 0.1980**, and if you desaturate by 10%, it is **16.3051, 0.2887, 0.2562**.

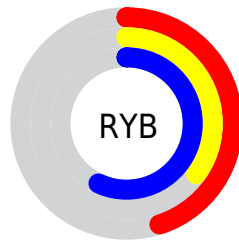
Distribution



Red (45%)

Green (35%)

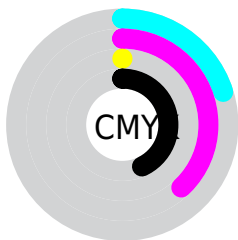
Blue (57%)



Red (45%)

Yellow (35%)

Blue (57%)

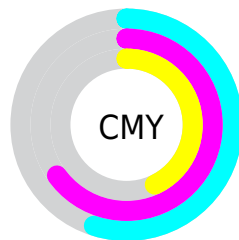


Cyan (20%)

Magenta (38%)

Yellow (0%)

Black (43%)



Cyan (55%)


Magenta (65%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0697, 0.2777, 0.2273 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 13.0697, 0.2777, 0.2273 by changing the saturation by 10% instead.


 13.0697, 0.2777,
0.2273


 13.0697, 0.2777,
0.2273


211.3639, 0.2996,
0.2847

 7.4766, 0.2702,
0.2106


 31.4289, 0.2870,
0.2499


 3.7619, 0.2590,
0.1877

 44.9638, 0.2901,
0.2578

 1.5413, 0.2407,
0.1549

 61.9148, 0.2925,
0.2643

 0.3175, 0.2137,
0.0805

 82.6661, 0.2944,
0.2698

 0.0000, 0.0000,
0.0000

 107.6024, 0.2961,
0.2744

137.1078, 0.2974,

0.2783

171.5668, 0.2986,
0.2817

■ 13.0697, 0.2777,
0.2273

■ 13.0697, 0.2777,
0.2273

■ 10.3556, 0.2656,
0.1980

■ 16.3051, 0.2887,
0.2562

■ 8.1322, 0.2526,
0.1696

■ 20.0869, 0.2984,
0.2839

■ 6.3684, 0.2391,
0.1433


■ 24.4402, 0.3069,
0.3099


■ 5.0283, 0.2257,
0.1206


■ 29.3882, 0.3141,
0.3338


■ 4.0708, 0.2130,
0.1027


■ 34.9529, 0.3203,
0.3555

 3.4160, 0.2013,
0.0896

 41.1551, 0.3255,
0.3751

 3.2919, 0.1990,
0.0870

 48.0145, 0.3298,
0.3927

 55.5500, 0.3334,
0.4084

 63.7797, 0.3364,
0.4224

Harmonies

Analogous

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



13.0697, 0.2213, 0.2171



13.0697, 0.2777, 0.2273



13.0697, 0.3516, 0.2580

Triad

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



13.0697, 0.2777, 0.2273



13.0697, 0.4476, 0.4110



13.0697, 0.2123, 0.3435

Complementary

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



13.0697, 0.2777, 0.2273



24.9060, 0.3379, 0.4299

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.



13.0697, 0.2648, 0.4196



13.0697, 0.2777, 0.2273



13.0697, 0.4010, 0.4533

Square

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



13.0697, 0.2777, 0.2273



13.0697, 0.4569, 0.3573



13.0697, 0.3339, 0.4621



13.0697, 0.1872, 0.2738

Rectangle

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



13.0697, 0.2777, 0.2273



13.0697, 0.4000, 0.2873



13.0697, 0.3339, 0.4621



13.0697, 0.2270, 0.3700

Sweetspot

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



13.0702, 0.2777, 0.2273



41.0813, 0.3042, 0.3015



17.4900, 0.2543, 0.2786



8.9307, 0.3032, 0.2985



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.0702, 0.2777, 0.2273



18.9769, 0.2668, 0.2008



15.2108, 0.3144, 0.2377



5.3721, 0.3059, 0.3068



2.8395, 0.1996, 0.0873



0.0401, 0.2490, 0.1145

Inverse Universe

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



14.6639, 0.3546, 0.2787



22.3909, 0.3690, 0.2668



23.2513, 0.3093, 0.4394



5.4686, 0.3205, 0.3175



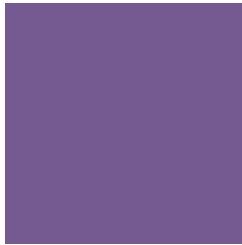
5.6217, 0.4793, 0.2414



0.0582, 0.3969, 0.1960

Previews

White Background



This preview shows how the Yxy color 13.0697, 0.2777, 0.2273 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 13.0697, 0.2777, 0.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

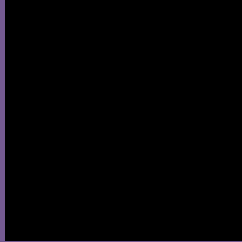
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0697, 0.2777, 0.2273

Background



This preview shows how black text looks on a background with the Yxy color 13.0697, 0.2777, 0.2273.



This preview shows how white text looks on a background with the Yxy color 13.0697, 0.2777, 0.2273.

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

13.0697, 0.2777, 0.2273

Protanopia

13.2533, 0.2348, 0.2243

Deuteranopia

13.1237, 0.2473, 0.2413



Tritanopia

13.0272, 0.3180, 0.3120

Trichromacy



Original Color

13.0697, 0.2777, 0.2273

Protanomaly

13.0006, 0.2483, 0.2241

Deuteranomaly

12.9760, 0.2574, 0.2344

Tritanomaly

12.9852, 0.3034, 0.2782

Monochromacy



Original Color

13.0697, 0.2777, 0.2273

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.4437, 0.2991, 0.2877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0697, 0.2777, 0.2273 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(116, 90, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 90, 145)  
}
```

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(116, 90, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 90, 145) }
```

Border

The CSS property to change the border of an element to Yxy 13.0697, 0.2777, 0.2273 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(116, 90, 145) }
```

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

```
.border{ border-color:rgb(116, 90, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 90, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 90, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 90, 145); box-shadow:4px 4px 4px 4px rgb(116, 90, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0697, 0.2777, 0.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 90, 145) }
```

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

```
.background{ background-color: rgb(116, 90,  
145) }
```

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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