

Converting Colors

$Y_{xy}(14.6924, 0.2789, 0.2396)$

Have a look what the booklet for
Yxy(14.6924, 0.2789, 0.2396)
contains.

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Color

Yxy(14.6935, 0.2789, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	766293
RGB	118, 98, 147
RGB Percent	46%, 38%, 58%
CMY	0.5373, 0.6157, 0.4236
CMYK	0.20, 0.33, 0.00, 0.42
HSL	264°, 20%, 48%
HSV	264°, 33%, 58%
XYZ	17.1036, 14.6935, 29.5280
YIQ	109.5660, -3.8090, 19.4790

Conversions

Conversions Part 2

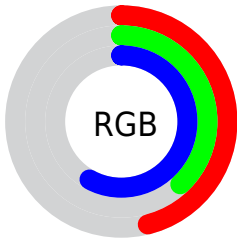
Format	Color
R _Y B	118, 98, 147
Decimal	7758483
CIE Lab	45.21, 18.44, -23.92
CIE LCh	45, 30.202, 307.632
Yxy	14.6935, 0.2789, 0.2396
Android (android.graphics.Color)	4285948563 (0xFF766293)
YUV	109.5660, 18.4550, 7.3966
Hunter-Lab	38.3321, 12.5646, -18.8399

Details

The Yxy color **14.6935, 0.2789, 0.2396** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.2525, 0.3387, 0.4158**, and the grayscale version is **15.4097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3699, 0.2878, 0.2597**, and **4.4774, 0.2631, 0.2049** is the 20% darker color. If you saturate the color by 10%, you get **11.6103, 0.2658, 0.2096**, and if you desaturate by 10%, it is **18.3391, 0.2907, 0.2686**.

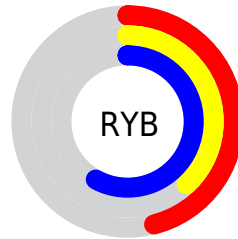
Distribution



Red (46%)

Green (38%)

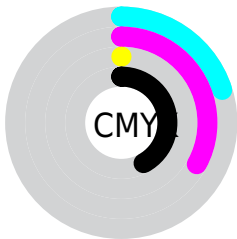
Blue (58%)



Red (46%)

Yellow (38%)

Blue (58%)

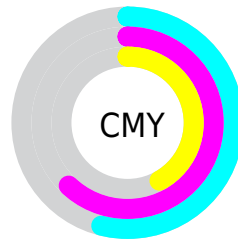


Cyan (20%)

Magenta (33%)

Yellow (0%)

Black (42%)



Cyan (54%)


Magenta (62%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6935, 0.2789, 0.2396 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 14.6935, 0.2789, 0.2396 by changing the saturation by 10% instead.


 14.6935, 0.2789,
0.2396


 14.6935, 0.2789,
0.2396


221.5035, 0.2995,
0.2898


 8.6046, 0.2721,
0.2250


 34.3146, 0.2875,
0.2593


 4.4842, 0.2620,
0.2050

 48.6155, 0.2904,
0.2663

 1.9479, 0.2461,
0.1761

 66.4226, 0.2927,
0.2720

 0.5769, 0.2193,
0.1255

 88.1201, 0.2946,
0.2767

 0.0000, 0.0000,
0.0000

114.0926, 0.2961,
0.2808

144.7244, 0.2974,

0.2842

180.3999, 0.2986,
0.2872

■ 14.6935, 0.2789,
0.2396

■ 14.6935, 0.2789,
0.2396

■ 11.6103, 0.2658,
0.2096

■ 18.3391, 0.2907,
0.2686

■ 9.0585, 0.2517,
0.1796

■ 22.5723, 0.3010,
0.2959

■ 7.0068, 0.2369,
0.1511

■ 27.4190, 0.3100,
0.3211

■ 5.4198, 0.2222,
0.1256

■ 32.9029, 0.3177,
0.3441

■ 4.2571, 0.2080,
0.1046

■ 39.0465, 0.3243,
0.3647

■ 3.4710, 0.1953,
0.0891

■ 45.8711, 0.3298,
0.3832

■ 3.0667, 0.1876,
0.0807

■ 53.3971, 0.3344,
0.3996

■ 61.6440, 0.3383,
0.4142

■ 70.6306, 0.3415,
0.4271

Harmonies

Analogous

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



14.6935, 0.2314, 0.2327



14.6935, 0.2789, 0.2396



14.6935, 0.3409, 0.2652

Triad

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



14.6935, 0.2789, 0.2396



14.6935, 0.4298, 0.3979



14.6935, 0.2300, 0.3472

Complementary

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



14.6935, 0.2789, 0.2396



26.2525, 0.3387, 0.4158

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.



14.6935, 0.2773, 0.4082



14.6935, 0.2789, 0.2396



14.6935, 0.3933, 0.4333

Square

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



14.6935, 0.2789, 0.2396



14.6935, 0.4334, 0.3515



14.6935, 0.3371, 0.4408



14.6935, 0.2054, 0.2874

Rectangle

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



14.6935, 0.2789, 0.2396



14.6935, 0.3820, 0.2904



14.6935, 0.3371, 0.4408



14.6935, 0.2435, 0.3689

Sweetspot

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



14.6941, 0.2789, 0.2396



43.0205, 0.3040, 0.3040



19.9821, 0.2622, 0.2920



9.5757, 0.3028, 0.3007



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



14.6941, 0.2789, 0.2396



22.0866, 0.2692, 0.2171



16.6003, 0.3100, 0.2474



5.7416, 0.3049, 0.3066



2.6734, 0.1881, 0.0810



0.0492, 0.2379, 0.1084

Inverse Universe

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



16.4694, 0.3435, 0.2797



25.8520, 0.3530, 0.2684



24.6197, 0.3131, 0.4231



5.8695, 0.3196, 0.3160



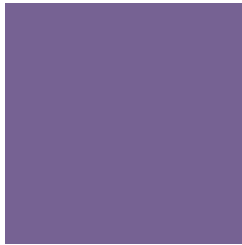
5.9790, 0.4535, 0.2272



0.0790, 0.3828, 0.1883

Previews

White Background



This preview shows how the Yxy color 14.6935, 0.2789, 0.2396 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 14.6935, 0.2789, 0.2396 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 14.6935, 0.2789, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 14.6935, 0.2789, 0.2396.



This preview shows how white text looks on a background with the Yxy color 14.6935, 0.2789, 0.2396.

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

14.6935, 0.2789, 0.2396

Protanopia

14.8833, 0.2455, 0.2385

Deuteranopia

14.8392, 0.2567, 0.2524



Tritanopia

14.7401, 0.3121, 0.3126

Trichromacy



Original Color

14.6935, 0.2789, 0.2396

Protanomaly

14.7016, 0.2558, 0.2379

Deuteranomaly

14.7189, 0.2639, 0.2467

Tritanomaly

14.5608, 0.2997, 0.2835

Monochromacy



Original Color

14.6935, 0.2789, 0.2396

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.2488, 0.3008, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6935, 0.2789, 0.2396 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(118, 98, 147)` looks like.

```
.text, #text, p{  
    color:rgb(118, 98, 147)  
}
```

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(118, 98, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 98, 147) }
```

Border

The CSS property to change the border of an element to Yxy 14.6935, 0.2789, 0.2396 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(118, 98, 147) }
```

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

```
.border{ border-color:rgb(118, 98, 147) }
```

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

Here you see how a box with a 4 pixel rgb(118, 98, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 98, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 98, 147);  
box-shadow:4px 4px 4px 4px rgb(118, 98,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6935, 0.2789, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 98, 147) }
```

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

```
.background{ background-color: rgb(118, 98,  
147) }
```

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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