

Converting Colors

$Y_{xy}(32.7447, 0.2652, 0.2867)$

Have a look what the booklet for
Yxy(32.7447, 0.2652, 0.2867)
contains.

Yxy(32.7447, 0.2652, 0.2867)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.7447, 0.2652, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	829EBA
RGB	130, 158, 186
RGB Percent	51%, 62%, 73%
CMY	0.4904, 0.3803, 0.2706
CMYK	0.30, 0.15, 0.00, 0.27
HSL	210°, 29%, 62%
HSV	210°, 30%, 73%
XYZ	30.2891, 32.7447, 51.1786
YIQ	152.8200, -25.6760, 2.7720

Conversions

Conversions Part 2

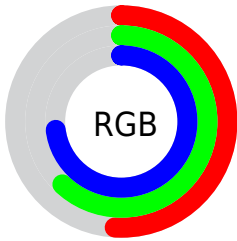
Format	Color
R _Y B	130, 149, 186
Decimal	8560314
CIE Lab	63.95, -3.11, -17.65
CIE LCh	64, 17.923, 260.023
Yxy	32.7447, 0.2652, 0.2867
Android (android.graphics.Color)	4286750394 (0xFF829EBA)
YUV	152.8200, 16.3577, -20.0131
Hunter-Lab	57.2230, -5.6570, -12.9712

Details

The Yxy color **32.7447, 0.2652, 0.2867** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.4792, 0.3679, 0.3678**, and the grayscale version is **31.7053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1897, 0.2746, 0.2958**, and **13.8711, 0.2504, 0.2731** is the 20% darker color. If you saturate the color by 10%, you get **28.3569, 0.2490, 0.2699**, and if you desaturate by 10%, it is **37.6403, 0.2814, 0.3022**.

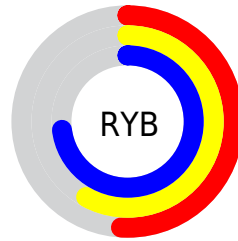
Distribution



Red (51%)

Green (62%)

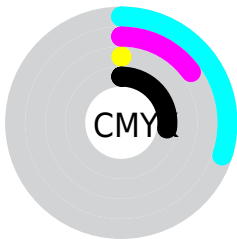
Blue (73%)



Red (51%)

Yellow (58%)

Blue (73%)

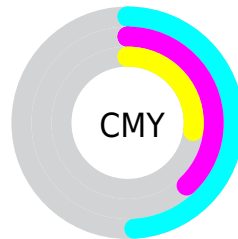


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (27%)



Cyan (49%)

Magenta (38%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7447, 0.2652, 0.2867 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 32.7447, 0.2652, 0.2867 by changing the saturation by 10% instead.

■ 32.7447, 0.2652,
0.2867

■ 32.7447, 0.2652,
0.2867

■ 314.4978, 0.2900,
0.3090

■ 21.9309, 0.2587,
0.2808

■ 63.9767, 0.2744,
0.2951

■ 13.8062, 0.2502,
0.2729

■ 85.1638, 0.2778,
0.2981

■ 7.9860, 0.2385,
0.2621

■ 110.5774, 0.2807,
0.3007

■ 4.0860, 0.2217,
0.2464

■ 140.6020, 0.2831,
0.3029

■ 1.7218, 0.1957,
0.2215

■ 175.6219, 0.2852,
0.3047

■ 0.4377, 0.1261,
0.1622

■ 216.0216, 0.2870,

■ 0.0000, 0.0000,

0.3063

0.0000

262.1854, 0.2886,
0.3078

■ 32.7447, 0.2652,
0.2867

■ 32.7447, 0.2652,
0.2867

■ 28.3569, 0.2490,
0.2699

■ 37.6403, 0.2814,
0.3022

■ 24.4535, 0.2333,
0.2519

■ 43.0582, 0.2972,
0.3162

■ 21.0145, 0.2185,
0.2330

■ 49.0169, 0.3125,
0.3288

■ 18.0170, 0.2050,
0.2137

■ 55.5330, 0.3271,
0.3401

■ 15.4352, 0.1935,
0.1943

■ 62.6220, 0.3408,
0.3500

■ 13.2395, 0.1843,
0.1755

■ 70.2989, 0.3536,
0.3587

■ 11.3994, 0.1772,
0.1579

■ 77.5892, 0.3617,
0.3669

■ 82.6885, 0.3593,
0.3759

■ 88.0642, 0.3570,
0.3847

Harmonies

Analogous

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



32.7447, 0.2596, 0.3025



32.7447, 0.2652, 0.2867



32.7447, 0.2830, 0.2824

Triad

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



32.7447, 0.2652, 0.2867



32.7447, 0.3600, 0.3282



32.7447, 0.3140, 0.3732

Complementary

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



32.7447, 0.2652, 0.2867



36.4792, 0.3679, 0.3678

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.



32.7447, 0.3415, 0.3792



32.7447, 0.2652, 0.2867



32.7447, 0.3689, 0.3517

Square

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



32.7447, 0.2652, 0.2867



32.7447, 0.3378, 0.3060



32.7447, 0.3619, 0.3706



32.7447, 0.2870, 0.3535

Rectangle

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



32.7447, 0.2652, 0.2867



32.7447, 0.3000, 0.2860



32.7447, 0.3619, 0.3706



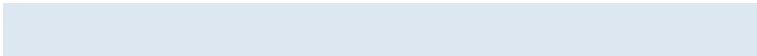
32.7447, 0.3235, 0.3769

Sweetspot

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



32.7460, 0.2652, 0.2867



79.0681, 0.2988, 0.3175



42.2955, 0.2894, 0.3727



17.0790, 0.2965, 0.3156



95.5105, 0.3127, 0.3290



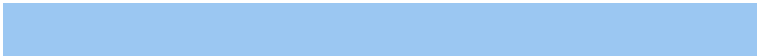
19.5994, 0.3127, 0.3290

Same Dimension

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



32.7460, 0.2652, 0.2867



54.1131, 0.2547, 0.2760



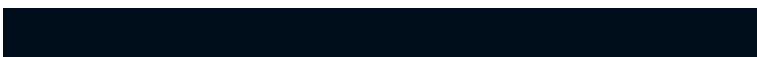
24.4867, 0.2604, 0.2438



9.4426, 0.2985, 0.3173



7.8190, 0.1778, 0.1602



0.3994, 0.1909, 0.2073

Inverse Universe

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



28.8590, 0.3462, 0.2904



46.4877, 0.3559, 0.2819



46.7755, 0.3579, 0.4020



9.0852, 0.3212, 0.3176



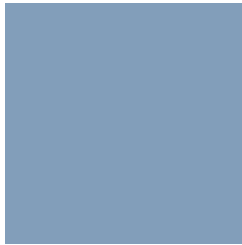
7.5717, 0.4928, 0.2489



0.2794, 0.4371, 0.2182

Previews

White Background



This preview shows how the Yxy color 32.7447, 0.2652, 0.2867 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.7447, 0.2652, 0.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

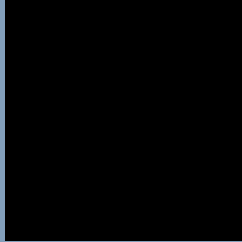
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

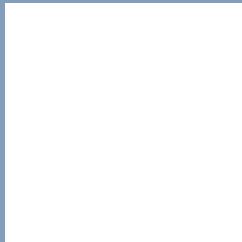
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7447, 0.2652, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 32.7447, 0.2652, 0.2867.



This preview shows how white text looks on a background with the Yxy color 32.7447, 0.2652, 0.2867.

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

32.7447, 0.2652, 0.2867

Protanopia

32.5909, 0.2829, 0.2851

Deuteranopia

32.4934, 0.2830, 0.2772



Tritanopia

32.6708, 0.2727, 0.3086

Trichromacy



Original Color

32.7447, 0.2652, 0.2867

Protanomaly

32.6542, 0.2762, 0.2860

Deuteranomaly

32.7188, 0.2763, 0.2807

Tritanomaly

32.5998, 0.2696, 0.2996

Monochromacy



Original Color

32.7447, 0.2652, 0.2867

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.1790, 0.2943, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7447, 0.2652, 0.2867 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(130, 158, 186)` looks like.

```
.text, #text, p{  
    color:rgb(130, 158, 186)  
}
```

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(130, 158, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 158, 186) }
```

Border

The CSS property to change the border of an element to Yxy 32.7447, 0.2652, 0.2867 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(130, 158, 186) }
```

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

```
.border{ border-color:rgb(130, 158, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 158, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 158, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 158, 186);  
box-shadow:4px 4px 4px 4px rgb(130, 158,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7447, 0.2652, 0.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 158, 186) }
```

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

```
.background{ background-color: rgb(130,  
158, 186) }
```

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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