

Converting Colors

$Y_{xy}(32.8833, 0.2865, 0.3223)$

Have a look what the booklet for
Yxy(32.8833, 0.2865, 0.3223)
contains.

Yxy(32.9728, 0.2864, 0.3227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9728, 0.2864, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	87A0A4
RGB	135, 160, 164
RGB Percent	53%, 63%, 64%
CMY	0.4706, 0.3725, 0.3569
CMYK	0.18, 0.02, 0.00, 0.36
HSL	188°, 14%, 59%
HSV	188°, 18%, 64%
XYZ	29.2637, 32.9728, 39.9413
YIQ	152.9810, -16.1840, -4.0560

Conversions

Conversions Part 2

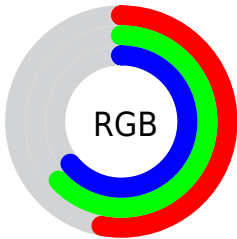
Format	Color
RYB	135, 148, 164
Decimal	8888484
CIELab	64.14, -7.80, -5.00
CIELCh	64, 9.266, 212.650
Yxy	32.9728, 0.2864, 0.3227
Android (android.graphics.Color)	4287078564 (0xFF87A0A4)
YUV	152.9810, 5.4324, -15.7693
Hunter-Lab	57.4219, -9.5201, -1.0453

Details

The Yxy color **32.9728, 0.2864, 0.3227** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.1074, 0.3449, 0.3352**, and the grayscale version is **31.8288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5342, 0.2918, 0.3243**, and **14.0384, 0.2786, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **30.9406, 0.2723, 0.3187**, and if you desaturate by 10%, it is **35.2315, 0.3011, 0.3264**.

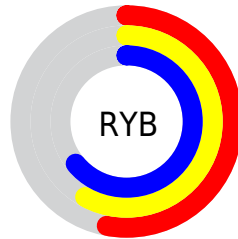
Distribution



Red (53%)

Green (63%)

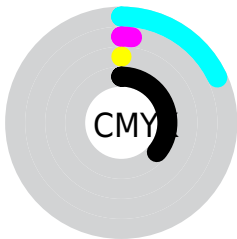
Blue (64%)



Red (53%)

Yellow (58%)

Blue (64%)

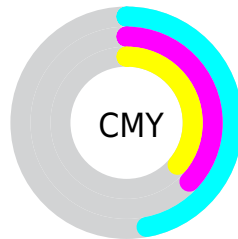


Cyan (18%)

Magenta (2%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (37%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9728, 0.2864, 0.3227 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 32.9728, 0.2864, 0.3227 by changing the saturation by 10% instead.

■ 32.9728, 0.2864,
0.3227

■ 32.9728, 0.2864,
0.3227

■ 315.5272, 0.3002,
0.3262

■ 22.1056, 0.2827,
0.3217

■ 64.3331, 0.2916,
0.3240

■ 13.9345, 0.2778,
0.3204

■ 85.5949, 0.2935,
0.3245

■ 8.0751, 0.2711,
0.3185

■ 111.0905, 0.2951,
0.3249

■ 4.1431, 0.2611,
0.3155

■ 141.2041, 0.2964,
0.3252

■ 1.7539, 0.2449,
0.3102

■ 176.3202, 0.2976,
0.3255

■ 0.4582, 0.1579,
0.2953

■ 216.8231, 0.2986,

■ 0.0000, 0.0000,

0.3258

0.0000

263.0973, 0.2994,
0.3260

■ 32.9728, 0.2864,
0.3227

■ 32.9728, 0.2864,
0.3227

■ 30.9406, 0.2723,
0.3187

■ 35.2315, 0.3011,
0.3264

■ 29.1212, 0.2592,
0.3145

■ 37.7216, 0.3163,
0.3298

■ 27.5056, 0.2474,
0.3100

■ 40.4531, 0.3315,
0.3328

■ 26.0824, 0.2370,
0.3054

■ 43.4339, 0.3467,
0.3355

■ 24.8392, 0.2284,
0.3006

■ 46.6717, 0.3616,
0.3379

■ 23.7620, 0.2216,
0.2958

■ 50.1738, 0.3761,
0.3401

■ 22.8344, 0.2166,
0.2910

■ 53.9473, 0.3901,
0.3419

■ 22.0293, 0.2133,
0.2863

■ 55.8114, 0.3938,
0.3441

■ 21.8489, 0.2126,
0.2852

■ 56.7184, 0.3929,
0.3464

Harmonies

Analogous

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



32.9728, 0.2945, 0.3361



32.9728, 0.2864, 0.3227



32.9728, 0.2852, 0.3114

Triad

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



32.9728, 0.2864, 0.3227



32.9728, 0.3175, 0.3113



32.9728, 0.3345, 0.3532

Complementary

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



32.9728, 0.2864, 0.3227



28.1074, 0.3449, 0.3352

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.



32.9728, 0.3410, 0.3458



32.9728, 0.2864, 0.3227



32.9728, 0.3311, 0.3218

Square

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



32.9728, 0.2864, 0.3227



32.9728, 0.3029, 0.3052



32.9728, 0.3398, 0.3343



32.9728, 0.3221, 0.3541

Rectangle

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



32.9728, 0.2864, 0.3227



32.9728, 0.2884, 0.3066



32.9728, 0.3398, 0.3343



32.9728, 0.3374, 0.3514

Sweetspot

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



32.9742, 0.2864, 0.3227



65.0807, 0.3050, 0.3273



33.5613, 0.3073, 0.3694



14.1639, 0.3040, 0.3271



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



32.9742, 0.2864, 0.3227



58.4376, 0.2811, 0.3213



28.2779, 0.2853, 0.2997



7.8441, 0.2988, 0.3258



16.8050, 0.2127, 0.2856



0.3960, 0.2175, 0.3028

Inverse Universe

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



27.7606, 0.3188, 0.2919



47.3376, 0.3203, 0.2839



32.5444, 0.3412, 0.3567



7.1853, 0.3157, 0.3098



7.5406, 0.3583, 0.1747



0.1628, 0.3429, 0.1663

Previews

White Background



This preview shows how the Yxy color 32.9728, 0.2864, 0.3227 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 32.9728, 0.2864, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

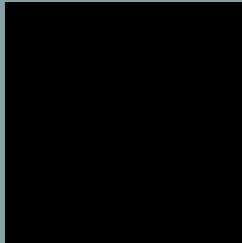
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

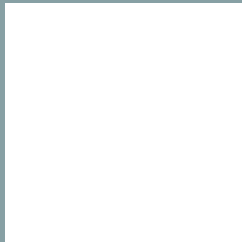
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9728, 0.2864, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 32.9728, 0.2864, 0.3227.



This preview shows how white text looks on a background with the Yxy color 32.9728, 0.2864, 0.3227.

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

32.9728, 0.2864, 0.3227

Protanopia

32.7523, 0.3083, 0.3185

Deuteranopia

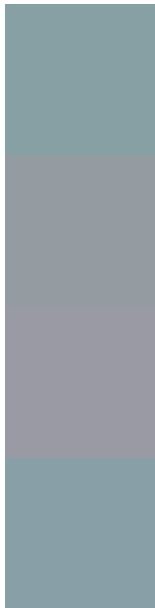
32.8857, 0.3127, 0.3073



Tritanopia

32.9708, 0.2816, 0.3105

Trichromacy



Original Color

32.9728, 0.2864, 0.3227

Protanomaly

32.6815, 0.2997, 0.3198

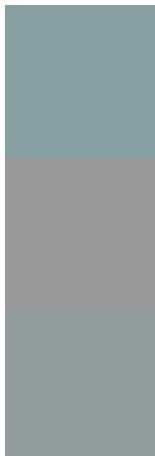
Deuteranomaly

32.6978, 0.3028, 0.3126

Tritanomaly

32.8577, 0.2840, 0.3150

Monochromacy



Original Color

32.9728, 0.2864, 0.3227

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.3222, 0.3022, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9728, 0.2864, 0.3227 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(135, 160, 164)` looks like.

```
.text, #text, p{  
    color:rgb(135, 160, 164)  
}
```

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(135, 160, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 160, 164) }
```

Border

The CSS property to change the border of an element to Yxy 32.9728, 0.2864, 0.3227 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(135, 160, 164) }
```

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

```
.border{ border-color:rgb(135, 160, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 160, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 160, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 160, 164);  
box-shadow:4px 4px 4px 4px rgb(135, 160,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9728, 0.2864, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 160, 164) }
```

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

```
.background{ background-color: rgb(135,  
160, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor