

Converting Colors

$Y_{xy}(32.2247, 0.2938, 0.2962)$

Have a look what the booklet for
Yxy(32.2247, 0.2938, 0.2962)
contains.

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Color

Yxy(32.2848, 0.2940, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	9998AE
RGB	153, 152, 174
RGB Percent	60%, 60%, 68%
CMY	0.3998, 0.4040, 0.3176
CMYK	0.12, 0.13, 0.00, 0.32
HSL	243°, 12%, 64%
HSV	243°, 13%, 68%
XYZ	32.0126, 32.2848, 44.5890
YIQ	154.8070, -6.4660, 7.0540

Conversions

Conversions Part 2

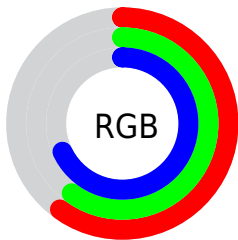
Format	Color
RYB	153, 152, 174
Decimal	10066094
CIELab	63.58, 4.87, -11.32
CIElCh	64, 12.323, 293.301
Yxy	32.2848, 0.2940, 0.2965
Android (android.graphics.Color)	4288256174 (0xFF9998AE)
YUV	154.8070, 9.4621, -1.5847
Hunter-Lab	56.8197, 1.1335, -6.7537

Details

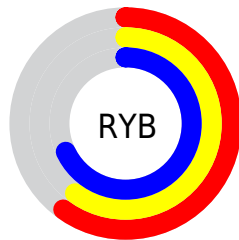
The Yxy color **32.2848, 0.2940, 0.2965** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.4160, 0.3303, 0.3597**, and the grayscale version is **32.6520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0652, 0.2977, 0.3031**, and **13.5373, 0.2873, 0.2851** is the 20% darker color. If you saturate the color by 10%, you get **25.5451, 0.2770, 0.2672**, and if you desaturate by 10%, it is **40.0793, 0.3091, 0.3226**.

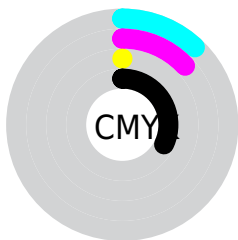
Distribution



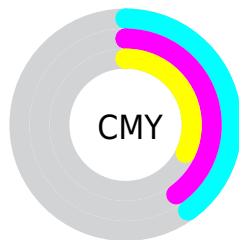
- Red (60%)
- Green (60%)
- Blue (68%)



- Red (60%)
- Yellow (60%)
- Blue (68%)



- Cyan (12%)
- Magenta (13%)
- Yellow (0%)
- Black (32%)



- Cyan (40%)
- Magenta (40%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2848, 0.2940, 0.2965 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 32.2848, 0.2940, 0.2965 by changing the saturation by 10% instead.

■ 32.2848, 0.2940,
0.2965

■ 32.2848, 0.2940,
0.2965

■ 312.4146, 0.3040,
0.3135

■ 21.5791, 0.2913,
0.2920

■ 63.2573, 0.2978,
0.3029

■ 13.5480, 0.2877,
0.2861

■ 84.2929, 0.2991,
0.3052

■ 7.8070, 0.2826,
0.2779

■ 109.5406, 0.3003,
0.3071

■ 3.9717, 0.2751,
0.2660

■ 139.3848, 0.3013,
0.3088

■ 1.6577, 0.2626,
0.2469

■ 174.2100, 0.3021,
0.3102

■ 0.3961, 0.2318,
0.1853

■ 214.4003, 0.3028,

■ 0.0000, 0.0000,

0.3115

0.0000

260.3404, 0.3034,
0.3125

■ 32.2848, 0.2940,
0.2965

■ 32.2848, 0.2940,
0.2965

■ 25.5451, 0.2770,
0.2672

■ 40.0793, 0.3091,
0.3226

■ 19.8112, 0.2582,
0.2350

■ 48.9670, 0.3222,
0.3455

■ 15.0360, 0.2380,
0.2009

■ 58.9892, 0.3335,
0.3655

■ 11.1671, 0.2173,
0.1662

■ 70.1839, 0.3432,
0.3827

■ 8.1473, 0.1973,
0.1331

■ 82.5875, 0.3516,
0.3975

■ 5.9127, 0.1795,
0.1042

■ 95.3453, 0.3591,
0.4091

■ 4.3903, 0.1653,
0.0818

■ 95.8360, 0.3608,
0.4086

■ 3.4936, 0.1558,
0.0674

■ 3.1105, 0.1516,
0.0609

Harmonies

Analogous

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



32.2848, 0.2805, 0.2989



32.2848, 0.2940, 0.2965



32.2848, 0.3128, 0.3022

Triad

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



32.2848, 0.2940, 0.2965



32.2848, 0.3514, 0.3468



32.2848, 0.2932, 0.3440

Complementary

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



32.2848, 0.2940, 0.2965



41.4160, 0.3303, 0.3597

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.



32.2848, 0.3117, 0.3580



32.2848, 0.2940, 0.2965



32.2848, 0.3456, 0.3590

Square

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



32.2848, 0.2940, 0.2965



32.2848, 0.3464, 0.3306



32.2848, 0.3309, 0.3634



32.2848, 0.2801, 0.3259

Rectangle

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



32.2848, 0.2940, 0.2965



32.2848, 0.3260, 0.3099



32.2848, 0.3309, 0.3634



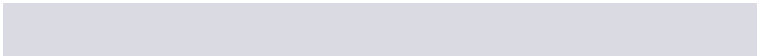
32.2848, 0.2989, 0.3494

Sweetspot

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



32.2862, 0.2940, 0.2965



70.5733, 0.3070, 0.3191



39.7201, 0.2937, 0.3279



15.4417, 0.3060, 0.3172



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.2862, 0.2940, 0.2965



55.1856, 0.2897, 0.2891



33.3722, 0.3042, 0.2975



7.7751, 0.2993, 0.3056



2.2636, 0.1519, 0.0610



0.0688, 0.1602, 0.0656

Inverse Universe

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



34.4659, 0.3151, 0.2999



59.8744, 0.3157, 0.2937



40.2480, 0.3204, 0.3607



8.1413, 0.3145, 0.3077



8.5147, 0.3332, 0.1609



0.2389, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 32.2848, 0.2940, 0.2965 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 32.2848, 0.2940, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

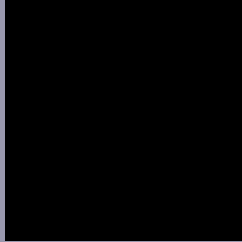
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

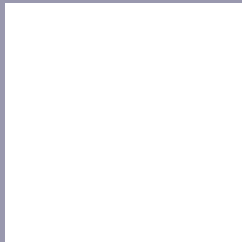
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2848, 0.2940, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 32.2848, 0.2940, 0.2965.



This preview shows how white text looks on a background with the Yxy color 32.2848, 0.2940, 0.2965.

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

32.2848, 0.2940, 0.2965

Protanopia

32.3225, 0.2912, 0.2978

Deuteranopia

32.2396, 0.2996, 0.2941



Tritanopia

32.2110, 0.3000, 0.3095

Trichromacy



Original Color

32.2848, 0.2940, 0.2965

Protanomaly

32.4178, 0.2921, 0.2979

Deuteranomaly

32.3573, 0.2977, 0.2954

Tritanomaly

32.3224, 0.2974, 0.3051

Monochromacy



Original Color

32.2848, 0.2940, 0.2965

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.5899, 0.3054, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2848, 0.2940, 0.2965 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(153, 152, 174)` looks like.

```
.text, #text, p{  
    color:rgb(153, 152, 174)  
}
```

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(153, 152, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 152, 174) }
```

Border

The CSS property to change the border of an element to Yxy 32.2848, 0.2940, 0.2965 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(153, 152, 174) }
```

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

```
.border{ border-color:rgb(153, 152, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 152, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 152, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 152, 174);  
box-shadow:4px 4px 4px 4px rgb(153, 152,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2848, 0.2940, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 152, 174) }
```

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

```
.background{ background-color: rgb(153,  
152, 174) }
```

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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