

Converting Colors

$Y_{xy}(32.4113, 0.2981, 0.3224)$

Have a look what the booklet for
Yxy(32.4113, 0.2981, 0.3224)
contains.

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Color

Yxy(32.3347, 0.2986, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	919CA0
RGB	145, 156, 160
RGB Percent	57%, 61%, 63%
CMY	0.4314, 0.3882, 0.3725
CMYK	0.09, 0.03, 0.00, 0.37
HSL	196°, 7%, 60%
HSV	196°, 9%, 63%
XYZ	29.9106, 32.3347, 37.9242
YIQ	153.1670, -7.8400, -1.0880

Conversions

Conversions Part 2

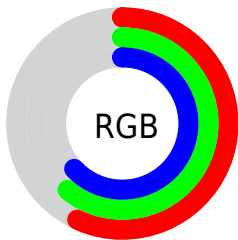
Format	Color
RYB	145, 151, 160
Decimal	9542816
CIELab	63.62, -3.09, -3.44
CIELCh	64, 4.627, 228.109
Yxy	32.3347, 0.2986, 0.3228
Android (android.graphics.Color)	4287732896 (0xFF919CA0)
YUV	153.1670, 3.3687, -7.1625
Hunter-Lab	56.8636, -5.6192, 0.2621

Details

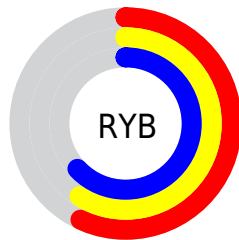
The Yxy color $32.3347, 0.2986, 0.3228$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $31.0132, 0.3280, 0.3351$, and the grayscale version is $31.9199, 0.3127, 0.3290$.

A 20% lighter version of the original color is $63.1416, 0.3013, 0.3232$, and $13.6402, 0.2941, 0.3201$ is the 20% darker color. If you saturate the color by 10%, you get $29.5766, 0.2836, 0.3156$, and if you desaturate by 10%, it is $35.3506, 0.3136, 0.3294$.

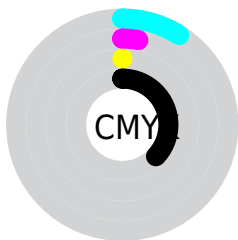
Distribution



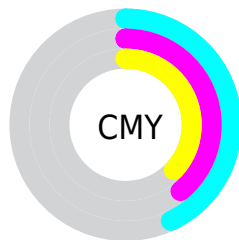
- Red (57%)
- Green (61%)
- Blue (63%)



- Red (57%)
- Yellow (59%)
- Blue (63%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (37%)



- Cyan (43%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3347, 0.2986, 0.3228 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 32.3347, 0.2986, 0.3228 by changing the saturation by 10% instead.

■ 32.3347, 0.2986,
0.3228

■ 32.3347, 0.2986,
0.3228

■ 312.6411, 0.3061,
0.3261

■ 21.6173, 0.2966,
0.3219

■ 63.3354, 0.3014,
0.3241

■ 13.5760, 0.2939,
0.3207

■ 84.3875, 0.3024,
0.3245

■ 7.8263, 0.2902,
0.3189

■ 109.6533, 0.3033,
0.3249

■ 3.9840, 0.2846,
0.3163

■ 139.5171, 0.3040,
0.3252

■ 1.6646, 0.2753,
0.3118

■ 174.3634, 0.3046,
0.3255

■ 0.4006, 0.2208,
0.2897

■ 214.5766, 0.3052,

■ 0.0000, 0.0000,

0.3257

0.0000

260.5410, 0.3057,
0.3260

■ 32.3347, 0.2986,
0.3228

■ 32.3347, 0.2986,
0.3228

■ 29.5766, 0.2836,
0.3156

■ 35.3506, 0.3136,
0.3294

■ 27.0631, 0.2690,
0.3077

■ 38.6286, 0.3286,
0.3353

■ 24.7860, 0.2550,
0.2992

■ 42.1782, 0.3431,
0.3406

■ 22.7349, 0.2420,
0.2902

■ 46.0071, 0.3572,
0.3453

■ 20.8986, 0.2303,
0.2808

■ 50.1227, 0.3708,
0.3494

■ 19.2647, 0.2202,
0.2711

■ 54.5321, 0.3837,
0.3530

■ 17.8190, 0.2119,
0.2612

■ 58.8602, 0.3942,
0.3564

■ 16.5455, 0.2055,
0.2514

■ 60.6831, 0.3925,
0.3608

■ 15.4093, 0.2006,
0.2417

■ 62.5600, 0.3909,
0.3651

Harmonies

Analogous

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



32.3347, 0.3010, 0.3292



32.3347, 0.2986, 0.3228



32.3347, 0.2999, 0.3182

Triad

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



32.3347, 0.2986, 0.3228



32.3347, 0.3189, 0.3226



32.3347, 0.3208, 0.3418

Complementary

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



32.3347, 0.2986, 0.3228



31.0132, 0.3280, 0.3351

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.



32.3347, 0.3257, 0.3398



32.3347, 0.2986, 0.3228



32.3347, 0.3246, 0.3287

Square

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



32.3347, 0.2986, 0.3228



32.3347, 0.3116, 0.3181



32.3347, 0.3271, 0.3350



32.3347, 0.3137, 0.3402

Rectangle

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



32.3347, 0.2986, 0.3228



32.3347, 0.3027, 0.3167



32.3347, 0.3271, 0.3350



32.3347, 0.3227, 0.3415

Sweetspot

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



32.3361, 0.2986, 0.3228



62.1137, 0.3081, 0.3270



33.3249, 0.3083, 0.3465



13.5283, 0.3069, 0.3265



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.3361, 0.2986, 0.3228



57.7563, 0.2958, 0.3215



29.9739, 0.2985, 0.3115



7.2100, 0.2988, 0.3229



12.0243, 0.2006, 0.2420



0.2798, 0.2113, 0.2808

Inverse Universe

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



30.1250, 0.3177, 0.3125



53.0397, 0.3187, 0.3092



33.3804, 0.3269, 0.3460



6.7244, 0.3176, 0.3127



6.8361, 0.4003, 0.1979



0.1288, 0.3628, 0.1772

Previews

White Background



This preview shows how the Yxy color 32.3347, 0.2986, 0.3228 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 32.3347, 0.2986, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

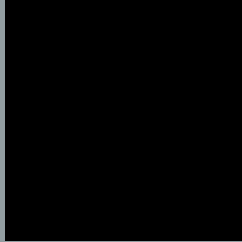
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

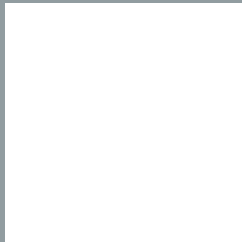
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.3347, 0.2986, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 32.3347, 0.2986, 0.3228.



This preview shows how white text looks on a background with the Yxy color 32.3347, 0.2986, 0.3228.

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

32.3347, 0.2986, 0.3228

Protanopia

32.2197, 0.3101, 0.3215

Deuteranopia

32.0674, 0.3176, 0.3115



Tritanopia

32.3437, 0.2935, 0.3107

Trichromacy



Original Color

32.3347, 0.2986, 0.3228

Protanomaly

32.1937, 0.3052, 0.3214

Deuteranomaly

32.2988, 0.3104, 0.3156

Tritanomaly

32.2340, 0.2961, 0.3152

Monochromacy



Original Color

32.3347, 0.2986, 0.3228

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.9955, 0.3070, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3347, 0.2986, 0.3228 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(145, 156, 160)` looks like.

```
.text, #text, p{  
    color:rgb(145, 156, 160)  
}
```

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(145, 156, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 156, 160) }
```

Border

The CSS property to change the border of an element to Yxy 32.3347, 0.2986, 0.3228 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(145, 156, 160) }
```

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

```
.border{ border-color:rgb(145, 156, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 156, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 156, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 156, 160);  
box-shadow:4px 4px 4px 4px rgb(145, 156,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3347, 0.2986, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 156, 160) }
```

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

```
.background{ background-color: rgb(145,  
156, 160) }
```

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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