

Converting Colors

$Y_{xy}(29.1568, 0.3283, 0.3421)$

Have a look what the booklet for
Yxy(29.1568, 0.3283, 0.3421)
contains.

Yxy(29.1651, 0.3280, 0.3416)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.1651, 0.3280, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	99928A
RGB	153, 146, 138
RGB Percent	60%, 57%, 54%
CMY	0.4000, 0.4274, 0.4587
CMYK	0.00, 0.05, 0.10, 0.40
HSL	32°, 7%, 57%
HSV	32°, 10%, 60%
XYZ	28.0040, 29.1651, 28.2089
YIQ	147.1810, 6.7400, -1.0040

Conversions

Conversions Part 2

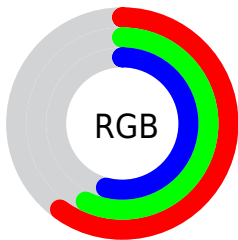
Format	Color
R_{YB}	151, 153, 138
Decimal	10064522
CIE Lab	60.93, 1.13, 5.13
CIE LCh	61, 5.256, 77.629
Yxy	29.1651, 0.3280, 0.3416
Android (android.graphics.Color)	4288254602 (0xFF99928A)
YUV	147.1810, -4.5262, 5.1033
Hunter-Lab	54.0047, -1.9477, 6.8337

Details

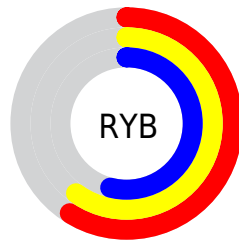
The Yxy color $29.1651, 0.3280, 0.3416$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $27.9625, 0.2980, 0.3161$, and the grayscale version is $29.2743, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.3355, 0.3249, 0.3397$, and $11.8951, 0.3336, 0.3473$ is the 20% darker color. If you saturate the color by 10%, you get $26.6187, 0.3457, 0.3552$, and if you desaturate by 10%, it is $31.9143, 0.3124, 0.3287$.

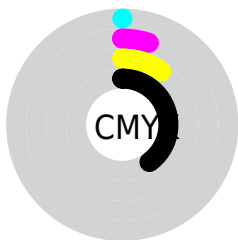
Distribution



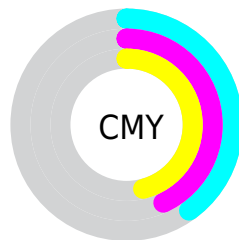
- Red (60%)
- Green (57%)
- Blue (54%)



- Red (59%)
- Yellow (60%)
- Blue (54%)



- Cyan (0%)
- Magenta (5%)
- Yellow (10%)
- Black (40%)





- Cyan (40%)
- Magenta (43%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1651, 0.3280, 0.3416 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 29.1651, 0.3280, 0.3416 by changing the saturation by 10% instead.


 29.1651, 0.3280,
0.3416

 29.1651, 0.3280,
0.3416


297.9931, 0.3197,
0.3348


 19.2058, 0.3303,
0.3435


 58.3393, 0.3248,
0.3390

 11.8190, 0.3334,
0.3460


 78.3229, 0.3237,
0.3381

 6.6206, 0.3378,
0.3495


 102.4168, 0.3228,
0.3373

 3.2260, 0.3446,
0.3550

131.0053, 0.3220,
0.3367

 1.2508, 0.3565,
0.3644

164.4727, 0.3213,
0.3361

 0.1026, 0.5492,
0.4508

203.2036, 0.3207,

 0.0000, 0.0000,

0.3356

0.0000

247.5823, 0.3202,
0.3352

■ 29.1651, 0.3280,
0.3416

■ 29.1651, 0.3280,
0.3416

■ 26.6187, 0.3457,
0.3552

■ 31.9143, 0.3124,
0.3287

■ 24.2661, 0.3655,
0.3691

■ 34.8673, 0.2987,
0.3167

■ 22.1033, 0.3874,
0.3831

■ 38.0301, 0.2866,
0.3055

■ 20.1246, 0.4112,
0.3963

■ 41.4072, 0.2761,
0.2952

■ 18.3241, 0.4363,
0.4080

■ 45.0029, 0.2668,
0.2858

■ 16.6953, 0.4618,
0.4169

■ 48.8214, 0.2587,
0.2772

■ 15.2312, 0.4865,
0.4219

■ 52.8669, 0.2515,
0.2693

■ 13.9239, 0.5088,
0.4221

■ 56.7890, 0.2478,
0.2677

■ 12.7588, 0.5287,
0.4182

■ 60.2470, 0.2492,
0.2764

Harmonies

Analogous

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



29.1651, 0.3296, 0.3359



29.1651, 0.3280, 0.3416



29.1651, 0.3223, 0.3440

Triad

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



29.1651, 0.3280, 0.3416



29.1651, 0.2990, 0.3293



29.1651, 0.3112, 0.3162

Complementary

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



29.1651, 0.3280, 0.3416



27.9625, 0.2980, 0.3161

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.



29.1651, 0.3031, 0.3144



29.1651, 0.3280, 0.3416



29.1651, 0.2962, 0.3218

Square

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



29.1651, 0.3280, 0.3416



29.1651, 0.3056, 0.3369



29.1651, 0.2976, 0.3164



29.1651, 0.3198, 0.3213

Rectangle

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



29.1651, 0.3280, 0.3416



29.1651, 0.3169, 0.3433



29.1651, 0.2976, 0.3164



29.1651, 0.3083, 0.3152

Sweetspot

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



29.1664, 0.3280, 0.3416



55.5063, 0.3173, 0.3329



27.0095, 0.3217, 0.3176



12.1720, 0.3185, 0.3338



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



29.1664, 0.3280, 0.3416



51.0846, 0.3321, 0.3449



31.3640, 0.3266, 0.3524



6.7403, 0.3271, 0.3409



10.5931, 0.5281, 0.4189



0.2312, 0.4727, 0.4629

Inverse Universe

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



27.9625, 0.2980, 0.3161



48.4311, 0.2942, 0.3126



25.9121, 0.2982, 0.3046



6.4782, 0.2989, 0.3168



5.7412, 0.1752, 0.1508



0.1577, 0.1969, 0.2289

Previews

White Background



This preview shows how the Yxy color 29.1651, 0.3280, 0.3416 looks on a white 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

Black Background



This preview shows how the Yxy color 29.1651, 0.3280, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

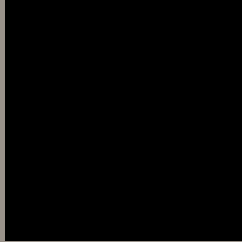
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1651, 0.3280, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 29.1651, 0.3280, 0.3416.

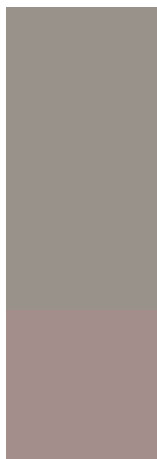


This preview shows how white text looks on a background with the Yxy color 29.1651, 0.3280, 0.3416.

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

29.1651, 0.3280, 0.3416

Protanopia

29.0681, 0.3270, 0.3417

Deuteranopia

29.1026, 0.3398, 0.3336



Tritanopia

28.9800, 0.3136, 0.3106

Trichromacy



Original Color

29.1651, 0.3280, 0.3416

Protanomaly

29.0681, 0.3270, 0.3417

Deuteranomaly

28.9826, 0.3352, 0.3352

Tritanomaly

28.9865, 0.3184, 0.3213

Monochromacy



Original Color

29.1651, 0.3280, 0.3416

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2706, 0.3177, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1651, 0.3280, 0.3416 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, 146, 138)` looks like.

```
.text, #text, p{  
    color:rgb(153, 146, 138)  
}
```

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, 146, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 146, 138) }
```

Border

The CSS property to change the border of an element to Yxy 29.1651, 0.3280, 0.3416 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, 146, 138) }
```

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

```
.border{ border-color:rgb(153, 146, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 146, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 146, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 146, 138);  
box-shadow:4px 4px 4px 4px rgb(153, 146,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1651, 0.3280, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 146, 138) }
```

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

```
.background{ background-color: rgb(153,  
146, 138) }
```

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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