

Converting Colors

$Y_{xy}(28.8017, 0.3153, 0.3804)$

Have a look what the booklet for
Yxy(28.8017, 0.3153, 0.3804)
contains.

Yxy(28.8017, 0.3153, 0.3804)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8017, 0.3153, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	80997B
RGB	128, 153, 123
RGB Percent	50%, 60%, 48%
CMY	0.4979, 0.4000, 0.5176
CMYK	0.16, 0.00, 0.20, 0.40
HSL	110°, 13%, 54%
HSV	110°, 20%, 60%
XYZ	23.8727, 28.8017, 23.0398
YIQ	142.1050, -5.2700, -14.6300

Conversions

Conversions Part 2

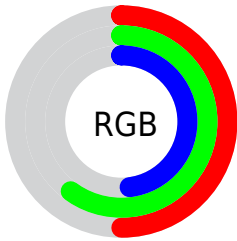
Format	Color
R_{YB}	123, 153, 148
Decimal	8427899
CIE _{Lab}	60.61, -14.73, 12.90
CIE _{LCh}	61, 19.580, 138.789
Yxy	28.8017, 0.3153, 0.3804
Android (android.graphics.Color)	4286617979 (0xFF80997B)
YUV	142.1050, -9.4188, -12.3701
Hunter-Lab	53.6672, -14.5158, 12.1133

Details

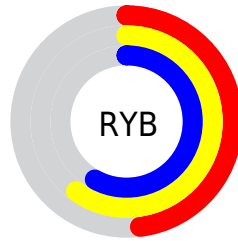
The Yxy color $28.8017, 0.3153, 0.3804$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $22.7577, 0.3091, 0.2810$, and the grayscale version is $27.1366, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.5840, 0.3146, 0.3682$, and $11.6169, 0.3150, 0.4008$ is the 20% darker color. If you saturate the color by 10%, you get $27.5228, 0.3162, 0.4107$, and if you desaturate by 10%, it is $30.2668, 0.3141, 0.3528$.

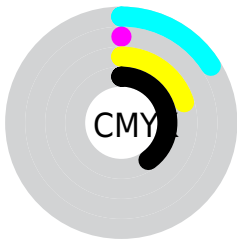
Distribution



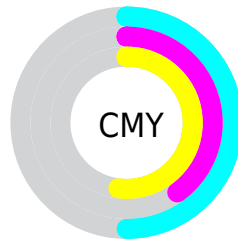
- Red (50%)
- Green (60%)
- Blue (48%)



- Red (48%)
- Yellow (60%)
- Blue (58%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)





- Cyan (50%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8017, 0.3153, 0.3804 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 28.8017, 0.3153, 0.3804 by changing the saturation by 10% instead.


 28.8017, 0.3153,
0.3804


 28.8017, 0.3153,
0.3804


296.2782, 0.3143,
0.3519

 18.9309, 0.3154,
0.3886


 57.7619, 0.3150,
0.3693

 11.6203, 0.3154,
0.4000


 77.6200, 0.3149,
0.3653

 6.4857, 0.3151,
0.4166


 101.5760, 0.3148,
0.3621

 3.1426, 0.3139,
0.4431

130.0143, 0.3147,
0.3594

 1.2066, 0.3233,
0.5157

163.3193, 0.3146,
0.3571

 0.0671, 0.0000,
1.0000

201.8753, 0.3145,

 0.0000, 0.0000,

0.3551

0.0000

246.0668, 0.3144,
0.3534

■ 28.8017, 0.3153,
0.3804

■ 28.8017, 0.3153,
0.3804

■ 27.5228, 0.3162,
0.4107

■ 30.2668, 0.3141,
0.3528

■ 26.4192, 0.3167,
0.4431

■ 31.9213, 0.3127,
0.3281

■ 25.4841, 0.3166,
0.4765

■ 33.7731, 0.3112,
0.3062

■ 24.7091, 0.3158,
0.5092

■ 35.8283, 0.3096,
0.2871

■ 24.0850, 0.3142,
0.5392

■ 38.0930, 0.3081,
0.2703

■ 23.6017, 0.3118,
0.5644

■ 40.5729, 0.3066,
0.2558

■ 23.2478, 0.3088,
0.5828

■ 43.2734, 0.3052,
0.2431

■ 23.0042, 0.3058,
0.5950

■ 46.2000, 0.3039,
0.2320

■ 22.9963, 0.3058,
0.5954

■ 48.9852, 0.3070,
0.2270

Harmonies

Analogous

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



28.8017, 0.3465, 0.3863



28.8017, 0.3153, 0.3804



28.8017, 0.2845, 0.3582

Triad

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



28.8017, 0.3153, 0.3804



28.8017, 0.2583, 0.2814



28.8017, 0.3659, 0.3268

Complementary

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



28.8017, 0.3153, 0.3804



22.7577, 0.3091, 0.2810

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.



28.8017, 0.3400, 0.3019



28.8017, 0.3153, 0.3804



28.8017, 0.2778, 0.2762

Square

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



28.8017, 0.3153, 0.3804



28.8017, 0.2526, 0.2995



28.8017, 0.3075, 0.2838



28.8017, 0.3768, 0.3534

Rectangle

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



28.8017, 0.3153, 0.3804



28.8017, 0.2681, 0.3381



28.8017, 0.3075, 0.2838



28.8017, 0.3586, 0.3181

Sweetspot

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



28.8029, 0.3153, 0.3804



55.2023, 0.3136, 0.3438



29.2238, 0.3429, 0.3681



12.1521, 0.3137, 0.3453



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.



28.8029, 0.3153, 0.3804



50.4301, 0.3158, 0.3948



28.6713, 0.3018, 0.3642



6.9730, 0.3140, 0.3518



19.0181, 0.3061, 0.5952



0.2953, 0.3279, 0.5779

Inverse Universe

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



22.7577, 0.3091, 0.2810



37.3660, 0.3079, 0.2686



22.9362, 0.3256, 0.2962



6.2711, 0.3112, 0.3069



5.6615, 0.2797, 0.1314



0.0969, 0.2994, 0.1423

Previews

White Background



This preview shows how the Yxy color 28.8017, 0.3153, 0.3804 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 28.8017, 0.3153, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

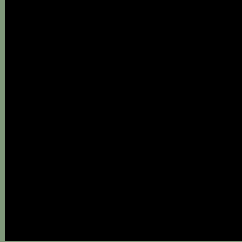
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8017, 0.3153, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 28.8017, 0.3153, 0.3804.



This preview shows how white text looks on a background with the Yxy color 28.8017, 0.3153, 0.3804.

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

28.8017, 0.3153, 0.3804

Protanopia

28.7597, 0.3485, 0.3722

Deuteranopia

28.4780, 0.3579, 0.3505



Tritanopia

28.7862, 0.2879, 0.3097

Trichromacy



Original Color

28.8017, 0.3153, 0.3804

Protanomaly

28.8707, 0.3367, 0.3766

Deuteranomaly

28.5038, 0.3415, 0.3610

Tritanomaly

28.8248, 0.2976, 0.3339

Monochromacy



Original Color

28.8017, 0.3153, 0.3804

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.6254, 0.3139, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8017, 0.3153, 0.3804 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(128, 153, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 153, 123)  
}
```

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(128, 153, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 153, 123) }
```

Border

The CSS property to change the border of an element to Yxy 28.8017, 0.3153, 0.3804 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(128, 153, 123) }
```

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

```
.border{ border-color:rgb(128, 153, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 153, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 153, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 153, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 153,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8017, 0.3153, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 153, 123) }
```

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

```
.background{ background-color: rgb(128,  
153, 123) }
```

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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