

Converting Colors

$Yxy(28.0315, 0.2685, 0.3808)$

Have a look what the booklet for
Yxy(28.0315, 0.2685, 0.3808)
contains.

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Color

$\text{Yxy}(28.1404, 0.2683, 0.3813)$

Conversions

Conversions Part 1

Format	Color
Hex	509F83
RGB	80, 159, 131
RGB Percent	31%, 62%, 51%
CMY	0.6864, 0.3764, 0.4863
CMYK	0.50, 0.00, 0.18, 0.38
HSL	159°, 33%, 47%
HSV	159°, 50%, 62%
XYZ	19.8009, 28.1404, 25.8599
YIQ	132.1870, -38.0960, -25.4560

Conversions

Conversions Part 2

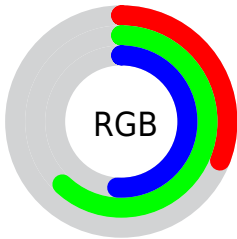
Format	Color
R _Y B	80, 128, 159
Decimal	5283715
CIE Lab	60.02, -31.25, 7.20
CIE LCh	60, 32.067, 167.017
Yxy	28.1404, 0.2683, 0.3813
Android (android.graphics.Color)	4283473795 (0xFF509F83)
YUV	132.1870, -0.5852, -45.7680
Hunter-Lab	53.0475, -26.2051, 8.2302

Details

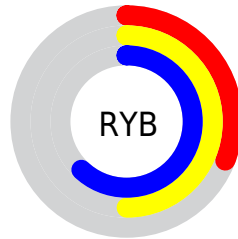
The Yxy color $28.1404, 0.2683, 0.3813$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.1866, 0.3980, 0.2841$, and the grayscale version is $23.1555, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.6222, 0.2776, 0.3696$, and $11.2840, 0.2518, 0.4007$ is the 20% darker color. If you saturate the color by 10%, you get $27.3810, 0.2626, 0.3941$, and if you desaturate by 10%, it is $29.0741, 0.2755, 0.3691$.

Distribution



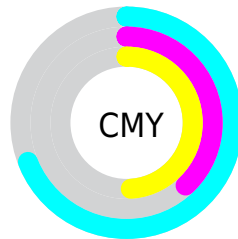
- Red (31%)
- Green (62%)
- Blue (51%)



- Red (31%)
- Yellow (50%)
- Blue (62%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (38%)




- Cyan (69%)
- Magenta (38%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1404, 0.2683, 0.3813 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 28.1404, 0.2683, 0.3813 by changing the saturation by 10% instead.

 28.1404, 0.2683,
0.3813


 28.1404, 0.2683,
0.3813


293.1372, 0.2927,
0.3521


 18.4315, 0.2614,
0.3898


 56.7085, 0.2778,
0.3699


 11.2602, 0.2519,
0.4016


 76.3365, 0.2811,
0.3658

 6.2422, 0.2381,
0.4190

 100.0398, 0.2839,
0.3625

 2.9929, 0.2165,
0.4471

 128.2025, 0.2862,
0.3597

 1.1280, 0.1371,
0.5314

 161.2093, 0.2882,
0.3574

 0.0017, 0.0000,
1.0000

199.4444, 0.2899,

 0.0000, 0.0000,

0.3554

0.0000

243.2922, 0.2914,
0.3536

■ 28.1404, 0.2683,
0.3813

■ 28.1404, 0.2683,
0.3813

■ 27.3810, 0.2626,
0.3941

■ 29.0741, 0.2755,
0.3691

■ 26.7807, 0.2586,
0.4074

■ 30.1895, 0.2838,
0.3577

■ 26.3272, 0.2565,
0.4208


■ 31.4975, 0.2930,
0.3471


■ 26.0047, 0.2563,
0.4343


■ 33.0072, 0.3028,
0.3375


■ 25.7776, 0.2577,
0.4475

■ 34.7272, 0.3130,
0.3288

 25.7713, 0.2578,
0.4479

 36.6655, 0.3233,
0.3210

 38.8296, 0.3336,
0.3140

 41.2268, 0.3437,
0.3079

 43.8641, 0.3536,
0.3025

Harmonies

Analogous

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



28.1404, 0.3182, 0.4183



28.1404, 0.2683, 0.3813



28.1404, 0.2322, 0.3281

Triad

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



28.1404, 0.2683, 0.3813



28.1404, 0.2535, 0.2451



28.1404, 0.4186, 0.3628

Complementary

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



28.1404, 0.2683, 0.3813



14.1866, 0.3980, 0.2841

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.



28.1404, 0.3991, 0.3211



28.1404, 0.2683, 0.3813



28.1404, 0.3000, 0.2565

Square

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



28.1404, 0.2683, 0.3813



28.1404, 0.2247, 0.2527



28.1404, 0.3541, 0.2835



28.1404, 0.4066, 0.4007

Rectangle

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



28.1404, 0.2683, 0.3813



28.1404, 0.2197, 0.2951



28.1404, 0.3541, 0.2835



28.1404, 0.4156, 0.3489

Sweetspot

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



28.1415, 0.2683, 0.3813



57.5537, 0.2973, 0.3427



28.6255, 0.3313, 0.4707



12.8570, 0.2954, 0.3447



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.



28.1415, 0.2683, 0.3813



48.8609, 0.2619, 0.3960



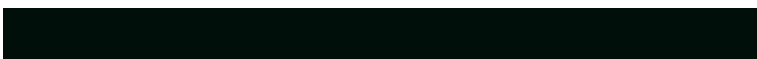
25.5347, 0.2454, 0.3098



7.4695, 0.3033, 0.3370



20.3611, 0.2574, 0.4467



0.3718, 0.2427, 0.3937

Inverse Universe

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



14.1866, 0.3980, 0.2841



20.8494, 0.4298, 0.2760



15.3485, 0.4388, 0.3464



6.6830, 0.3231, 0.3211



6.0573, 0.5509, 0.2808



0.1160, 0.4511, 0.2259

Previews

White Background



This preview shows how the Yxy color 28.1404, 0.2683, 0.3813 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 28.1404, 0.2683, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

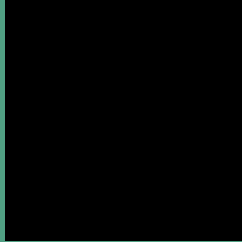
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1404, 0.2683, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 28.1404, 0.2683, 0.3813.



This preview shows how white text looks on a background with the Yxy color 28.1404, 0.2683, 0.3813.

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

28.1404, 0.2683, 0.3813

Protanopia

27.6543, 0.3419, 0.3614

Deuteranopia

27.7916, 0.3415, 0.3353



Tritanopia

28.0749, 0.2483, 0.3065

Trichromacy



Original Color

28.1404, 0.2683, 0.3813

Protanomaly

27.3612, 0.3098, 0.3690

Deuteranomaly

27.1845, 0.3097, 0.3494

Tritanomaly

28.0885, 0.2551, 0.3324

Monochromacy



Original Color

28.1404, 0.2683, 0.3813

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.5227, 0.2923, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1404, 0.2683, 0.3813 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(80, 159, 131)` looks like.

```
.text, #text, p{  
    color:rgb(80, 159, 131)  
}
```

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(80, 159, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 159, 131) }
```

Border

The CSS property to change the border of an element to Yxy 28.1404, 0.2683, 0.3813 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(80, 159, 131) }
```

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

```
.border{ border-color:rgb(80, 159, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 159, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 159, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 159, 131);  
box-shadow:4px 4px 4px 4px rgb(80, 159,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1404, 0.2683, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 159, 131) }
```

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

```
.background{ background-color: rgb(80, 159,  
131) }
```

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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