

Converting Colors

$Yxy(27.5879, 0.2731, 0.4188)$

Have a look what the booklet for
Yxy(27.5879, 0.2731, 0.4188)
contains.

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Color

$\text{Yxy}(27.5855, 0.2731, 0.4188)$

Conversions

Conversions Part 1

Format	Color
Hex	44A072
RGB	68, 160, 114
RGB Percent	27%, 63%, 45%
CMY	0.7336, 0.3725, 0.5530
CMYK	0.58, 0.00, 0.29, 0.37
HSL	150°, 40%, 45%
HSV	150°, 58%, 63%
XYZ	17.9885, 27.5855, 20.2939
YIQ	127.2480, -40.0660, -33.8100

Conversions

Conversions Part 2

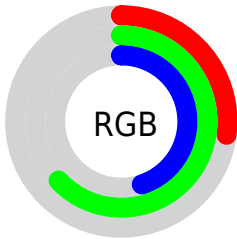
Format	Color
R _{YB}	68, 129, 160
Decimal	4497522
CIE _{Lab}	59.51, -38.41, 15.95
CIE _{LCh}	60, 41.593, 157.451
Y _{xy}	27.5855, 0.2731, 0.4188
Android (android.graphics.Color)	4282687602 (0xFF44A072)
YUV	127.2480, -6.5313, -51.9605
Hunter-Lab	52.5219, -30.7778, 13.8563

Details

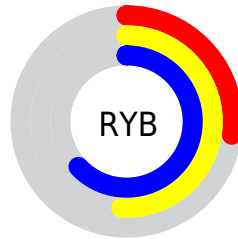
The Yxy color **27.5855, 0.2731, 0.4188** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8157, 0.3938, 0.2575**, and the grayscale version is **21.3416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6391, 0.2824, 0.3978**, and **11.1185, 0.2598, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **26.9140, 0.2699, 0.4379**, and if you desaturate by 10%, it is **28.4321, 0.2779, 0.4003**.

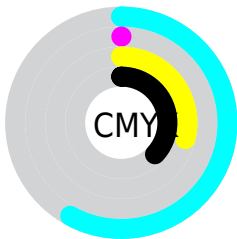
Distribution



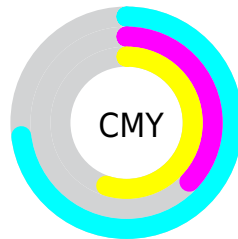
- Red (27%)
- Green (63%)
- Blue (45%)



- Red (27%)
- Yellow (51%)
- Blue (63%)



- Cyan (58%)
- Magenta (0%)
- Yellow (29%)
- Black (37%)





- Cyan (73%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5855, 0.2731, 0.4188 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 27.5855, 0.2731, 0.4188 by changing the saturation by 10% instead.


 27.5855, 0.2731,
0.4188


 27.5855, 0.2731,
0.4188


290.4809, 0.2958,
0.3675

 18.0134, 0.2662,
0.4343


 55.8220, 0.2822,
0.3983

 10.9596, 0.2565,
0.4561


 75.2552, 0.2853,
0.3912

 6.0397, 0.2417,
0.4890

 98.7443, 0.2879,
0.3854

 2.8692, 0.2171,
0.5435

 126.6735, 0.2900,
0.3806

 1.0638, 0.0545,
0.9183

 159.4275, 0.2918,
0.3765

 0.0000, 0.0000,
0.0000

197.3904, 0.2934,

0.3731

240.9468, 0.2947,
0.3701

■ 27.5855, 0.2731,
0.4188

■ 27.5855, 0.2731,
0.4188

■ 26.9140, 0.2699,
0.4379

■ 28.4321, 0.2779,
0.4003

■ 26.4008, 0.2685,
0.4573

■ 29.4625, 0.2839,
0.3828

■ 26.0313, 0.2690,
0.4762

■ 30.6888, 0.2909,
0.3666

■ 25.7797, 0.2713,
0.4944

■ 32.1209, 0.2985,
0.3517

■ 25.7247, 0.2719,
0.4988

■ 33.7684, 0.3065,
0.3382

■ 35.6398, 0.3147,
0.3262

■ 37.7434, 0.3229,
0.3155

■ 40.0872, 0.3310,
0.3060

■ 42.6785, 0.3388,
0.2977

Harmonies

Analogous

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



27.5855, 0.3392, 0.4549



27.5855, 0.2731, 0.4188



27.5855, 0.2211, 0.3493

Triad

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



27.5855, 0.2731, 0.4188



27.5855, 0.2227, 0.2230



27.5855, 0.4473, 0.3522

Complementary

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



27.5855, 0.2731, 0.4188



12.8157, 0.3938, 0.2575

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.



27.5855, 0.4097, 0.3013



27.5855, 0.2731, 0.4188



27.5855, 0.2745, 0.2307

Square

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



27.5855, 0.2731, 0.4188



27.5855, 0.1955, 0.2391



27.5855, 0.3434, 0.2585



27.5855, 0.4427, 0.4035

Rectangle

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



27.5855, 0.2731, 0.4188



27.5855, 0.2003, 0.3024



27.5855, 0.3434, 0.2585



27.5855, 0.4392, 0.3348

Sweetspot

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



27.5866, 0.2731, 0.4188



58.3737, 0.2987, 0.3514



29.1374, 0.3443, 0.4882



12.6899, 0.2972, 0.3540



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.



27.5866, 0.2731, 0.4188



48.5736, 0.2693, 0.4433



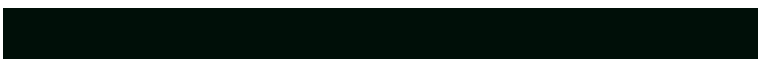
28.9102, 0.2422, 0.3288



7.4536, 0.3052, 0.3404



20.0454, 0.2715, 0.4972



0.3670, 0.2514, 0.4251

Inverse Universe

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



12.8157, 0.3938, 0.2575



19.1341, 0.4223, 0.2470



12.0184, 0.4827, 0.3295



6.6987, 0.3210, 0.3179



6.2815, 0.4917, 0.2482



0.1209, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 27.5855, 0.2731, 0.4188 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 27.5855, 0.2731, 0.4188 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 27.5855, 0.2731, 0.4188

Background



This preview shows how black text looks on a background with the Yxy color 27.5855, 0.2731, 0.4188.



This preview shows how white text looks on a background with the Yxy color 27.5855, 0.2731, 0.4188.

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

27.5855, 0.2731, 0.4188

Protanopia

27.1589, 0.3625, 0.3874

Deuteranopia

27.1157, 0.3633, 0.3571



Tritanopia

27.4205, 0.2449, 0.3062

Trichromacy



Original Color

27.5855, 0.2731, 0.4188

Protanomaly

26.7366, 0.3225, 0.4005

Deuteranomaly

26.2023, 0.3231, 0.3781

Tritanomaly

27.5032, 0.2548, 0.3453

Monochromacy



Original Color

27.5855, 0.2731, 0.4188

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.9345, 0.2944, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5855, 0.2731, 0.4188 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(68, 160, 114)` looks like.

```
.text, #text, p{  
    color:rgb(68, 160, 114)  
}
```

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(68, 160, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 160, 114) }
```

Border

The CSS property to change the border of an element to Yxy 27.5855, 0.2731, 0.4188 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(68, 160, 114) }
```

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

```
.border{ border-color:rgb(68, 160, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 160, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 160, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 160, 114);  
box-shadow:4px 4px 4px 4px rgb(68, 160,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5855, 0.2731, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 160, 114) }
```

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

```
.background{ background-color: rgb(68, 160,  
114) }
```

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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