

Converting Colors

$Y_{xy}(28.8062, 0.2699, 0.4217)$

Have a look what the booklet for
Yxy(28.8062, 0.2699, 0.4217)
contains.

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Color

$\text{Yxy}(28.8686, 0.2699, 0.4216)$

Conversions

Conversions Part 1

Format	Color
Hex	3FA474
RGB	63, 164, 116
RGB Percent	25%, 64%, 45%
CMY	0.7527, 0.3569, 0.5451
CMYK	0.62, 0.00, 0.29, 0.36
HSL	151°, 44%, 45%
HSV	151°, 62%, 64%
XYZ	18.4811, 28.8686, 21.1242
YIQ	128.3290, -44.7880, -36.3400

Conversions

Conversions Part 2

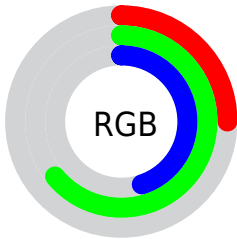
Format	Color
R_{YB}	63, 129, 164
Decimal	4170868
CIE _{Lab}	60.67, -40.79, 16.40
CIE _{LCh}	61, 43.961, 158.094
Yxy	28.8686, 0.2699, 0.4216
Android (android.graphics.Color)	4282360948 (0xFF3FA474)
YUV	128.3290, -6.0782, -57.2935
Hunter-Lab	53.7295, -32.6288, 14.3003

Details

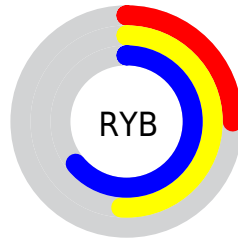
The Yxy color **28.8686, 0.2699, 0.4216** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.6030, 0.4074, 0.2572**, and the grayscale version is **21.7463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0066, 0.2796, 0.4014**, and **11.7862, 0.2597, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **28.2334, 0.2672, 0.4399**, and if you desaturate by 10%, it is **29.6823, 0.2743, 0.4037**.

Distribution



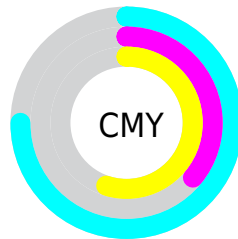
- Red (25%)
- Green (64%)
- Blue (45%)



- Red (25%)
- Yellow (51%)
- Blue (64%)



- Cyan (62%)
- Magenta (0%)
- Yellow (29%)
- Black (36%)





- Cyan (75%)
- Magenta (36%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8686, 0.2699, 0.4216 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 28.8686, 0.2699, 0.4216 by changing the saturation by 10% instead.


 28.8686, 0.2699,
0.4216

 28.8686, 0.2699,
0.4216


296.5945, 0.2943,
0.3689


 18.9814, 0.2626,
0.4373


 57.8683, 0.2796,
0.4007


 11.6569, 0.2524,
0.4594

 77.7495, 0.2830,
0.3934


 6.5105, 0.2371,
0.4924


 101.7310, 0.2857,
0.3874

 3.1579, 0.2121,
0.5463

 130.1970, 0.2880,
0.3825

 1.2147, 0.0855,
0.8206

 163.5319, 0.2899,
0.3783

 0.0737, 0.0000,
1.0000

202.1202, 0.2916,

 0.0000, 0.0000,

0.3747

0.0000

246.3463, 0.2930,
0.3716

■ 28.8686, 0.2699,
0.4216

■ 28.8686, 0.2699,
0.4216

■ 28.2334, 0.2672,
0.4399

■ 29.6823, 0.2743,
0.4037

■ 27.7579, 0.2665,
0.4583

■ 30.6842, 0.2801,
0.3867

■ 27.4256, 0.2676,
0.4762

■ 31.8875, 0.2870,
0.3708

■ 27.2220, 0.2697,
0.4909

■ 33.3032, 0.2947,
0.3561

■ 34.9414, 0.3029,
0.3427

■ 36.8117, 0.3114,
0.3307

■ 38.9228, 0.3200,
0.3200

■ 41.2834, 0.3285,
0.3105

■ 43.9014, 0.3368,
0.3022

Harmonies

Analogous

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



28.8686, 0.3383, 0.4601



28.8686, 0.2699, 0.4216



28.8686, 0.2167, 0.3483

Triad

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



28.8686, 0.2699, 0.4216



28.8686, 0.2203, 0.2192



28.8686, 0.4531, 0.3536

Complementary

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



28.8686, 0.2699, 0.4216



12.6030, 0.4074, 0.2572

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.



28.8686, 0.4149, 0.3012



28.8686, 0.2699, 0.4216



28.8686, 0.2742, 0.2277

Square

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



28.8686, 0.2699, 0.4216



28.8686, 0.1917, 0.2350



28.8686, 0.3461, 0.2568



28.8686, 0.4470, 0.4067

Rectangle

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



28.8686, 0.2699, 0.4216



28.8686, 0.1958, 0.2996



28.8686, 0.3461, 0.2568



28.8686, 0.4451, 0.3357

Sweetspot

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



28.8698, 0.2699, 0.4216



61.3627, 0.2973, 0.3517



30.3440, 0.3435, 0.5003



13.2425, 0.2950, 0.3555



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.8698, 0.2699, 0.4216



50.8858, 0.2667, 0.4470



29.6906, 0.2385, 0.3258



7.9542, 0.3048, 0.3399



20.8832, 0.2692, 0.4893



0.4483, 0.2514, 0.4250

Inverse Universe

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



12.6030, 0.4074, 0.2572



18.7649, 0.4414, 0.2488



12.0032, 0.5001, 0.3319



7.1394, 0.3214, 0.3184



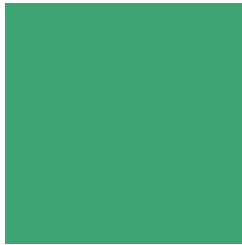
6.4825, 0.5022, 0.2540



0.1458, 0.4216, 0.2096

Previews

White Background



This preview shows how the Yxy color 28.8686, 0.2699, 0.4216 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 28.8686, 0.2699, 0.4216 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 28.8686, 0.2699, 0.4216

Background



This preview shows how black text looks on a background with the Yxy color 28.8686, 0.2699, 0.4216.



This preview shows how white text looks on a background with the Yxy color 28.8686, 0.2699, 0.4216.

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

28.8686, 0.2699, 0.4216

Protanopia

28.3803, 0.3636, 0.3895

Deuteranopia

28.4615, 0.3645, 0.3580



Tritanopia

28.7656, 0.2419, 0.3065

Trichromacy



Original Color

28.8686, 0.2699, 0.4216

Protanomaly

27.7198, 0.3211, 0.4033

Deuteranomaly

27.5726, 0.3216, 0.3808

Tritanomaly

28.7995, 0.2518, 0.3469

Monochromacy



Original Color

28.8686, 0.2699, 0.4216

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.4480, 0.2907, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8686, 0.2699, 0.4216 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(63, 164, 116)` looks like.

```
.text, #text, p{  
    color:rgb(63, 164, 116)  
}
```

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(63, 164, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 164, 116) }
```

Border

The CSS property to change the border of an element to Yxy 28.8686, 0.2699, 0.4216 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(63, 164, 116) }
```

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

```
.border{ border-color:rgb(63, 164, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 164, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 164, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 164, 116);  
box-shadow:4px 4px 4px 4px rgb(63, 164,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8686, 0.2699, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 164, 116) }
```

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

```
.background{ background-color: rgb(63, 164,  
116) }
```

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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