

Converting Colors

$Yxy(28.0118, 0.2676, 0.4083)$

Have a look what the booklet for
Yxy(28.0118, 0.2676, 0.4083)
contains.

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Color

Yxy(27.9696, 0.2674, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	41A178
RGB	65, 161, 120
RGB Percent	25%, 63%, 47%
CMY	0.7452, 0.3686, 0.5294
CMYK	0.60, 0.00, 0.25, 0.37
HSL	154°, 43%, 44%
HSV	154°, 60%, 63%
XYZ	18.3131, 27.9696, 22.2031
YIQ	127.6220, -44.0550, -33.1030

Conversions

Conversions Part 2

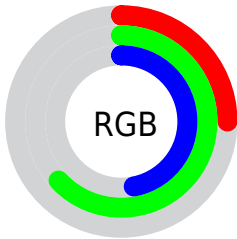
Format	Color
RYB	65, 126, 161
Decimal	4301176
CIELab	59.86, -38.20, 13.08
CIElCh	60, 40.377, 161.104
Yxy	27.9696, 0.2674, 0.4084
Android (android.graphics.Color)	4282491256 (0xFF41A178)
YUV	127.6220, -3.7576, -54.9195
Hunter-Lab	52.8863, -30.7413, 12.1289

Details

The Yxy color **27.9696, 0.2674, 0.4084** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.3940, 0.4118, 0.2660**, and the grayscale version is **21.4706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1552, 0.2774, 0.3905**, and **11.3922, 0.2559, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **27.3367, 0.2640, 0.4247**, and if you desaturate by 10%, it is **28.7733, 0.2725, 0.3927**.

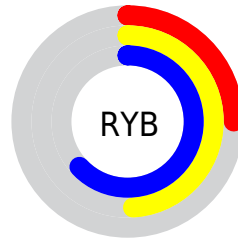
Distribution



Red (25%)

Green (63%)

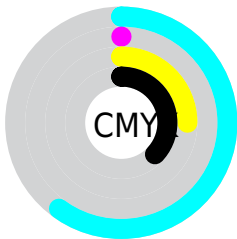
Blue (47%)



Red (25%)

Yellow (49%)

Blue (63%)

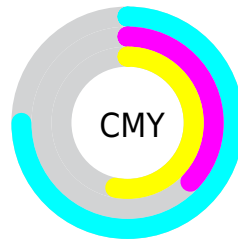


Cyan (60%)

Magenta (0%)

Yellow (25%)

Black (37%)



Cyan (75%)


Magenta (37%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9696, 0.2674, 0.4084 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 27.9696, 0.2674, 0.4084 by changing the saturation by 10% instead.


 27.9696, 0.2674,
0.4084


 27.9696, 0.2674,
0.4084


292.3216, 0.2929,
0.3633


 18.3027, 0.2599,
0.4219


 56.4359, 0.2774,
0.3905

 11.1676, 0.2495,
0.4407


 76.0041, 0.2810,
0.3843


 6.1797, 0.2341,
0.4690

 99.6416, 0.2839,
0.3792

 2.9546, 0.2091,
0.5156

 127.7328, 0.2863,
0.3749

 1.1081, 0.0706,
0.7449

 160.6619, 0.2883,
0.3714

 0.0000, 0.0000,
0.0000

198.8135, 0.2900,

0.3683

242.5720, 0.2916,
0.3656

■ 27.9696, 0.2674,
0.4084

■ 27.9696, 0.2674,
0.4084

■ 27.3367, 0.2640,
0.4247

■ 28.7733, 0.2725,
0.3927

■ 26.8574, 0.2625,
0.4411

■ 29.7567, 0.2790,
0.3777

■ 26.5163, 0.2629,
0.4574

■ 30.9323, 0.2866,
0.3637

■ 26.2773, 0.2649,
0.4733

■ 32.3101, 0.2950,
0.3509

■ 26.2694, 0.2650,
0.4738

■ 33.8997, 0.3039,
0.3392

■ 35.7100, 0.3130,
0.3287

■ 37.7494, 0.3223,
0.3193

■ 40.0256, 0.3315,
0.3109

■ 42.5464, 0.3405,
0.3036

Harmonies

Analogous

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



27.9696, 0.3307, 0.4486



27.9696, 0.2674, 0.4084



27.9696, 0.2194, 0.3401

Triad

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



27.9696, 0.2674, 0.4084



27.9696, 0.2303, 0.2258



27.9696, 0.4445, 0.3581

Complementary

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



27.9696, 0.2674, 0.4084



12.3940, 0.4118, 0.2660

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.



27.9696, 0.4127, 0.3081



27.9696, 0.2674, 0.4084



27.9696, 0.2833, 0.2358

Square

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



27.9696, 0.2674, 0.4084



27.9696, 0.2007, 0.2387



27.9696, 0.3509, 0.2650



27.9696, 0.4354, 0.4073

Rectangle

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



27.9696, 0.2674, 0.4084



27.9696, 0.2013, 0.2961



27.9696, 0.3509, 0.2650



27.9696, 0.4383, 0.3411

Sweetspot

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



27.9707, 0.2674, 0.4084



58.2116, 0.2961, 0.3493



28.9732, 0.3385, 0.4975



12.6067, 0.2937, 0.3526



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.



27.9707, 0.2674, 0.4084



48.6050, 0.2632, 0.4308



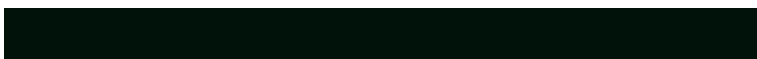
27.0070, 0.2380, 0.3172



7.9599, 0.3042, 0.3388



20.9870, 0.2646, 0.4725



0.4502, 0.2484, 0.4143

Inverse Universe

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



12.3940, 0.4118, 0.2660



18.0772, 0.4488, 0.2582



12.5121, 0.4858, 0.3390



7.1338, 0.3221, 0.3194



6.4000, 0.5222, 0.2651



0.1439, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 27.9696, 0.2674, 0.4084 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 27.9696, 0.2674, 0.4084 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 27.9696, 0.2674, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 27.9696, 0.2674, 0.4084.



This preview shows how white text looks on a background with the Yxy color 27.9696, 0.2674, 0.4084.

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

27.9696, 0.2674, 0.4084

Protanopia

27.5871, 0.3557, 0.3791

Deuteranopia

27.5501, 0.3562, 0.3492



Tritanopia

27.9820, 0.2431, 0.3079

Trichromacy



Original Color

27.9696, 0.2674, 0.4084

Protanomaly

27.1154, 0.3158, 0.3913

Deuteranomaly

26.5770, 0.3160, 0.3691

Tritanomaly

27.8118, 0.2513, 0.3416

Monochromacy



Original Color

27.9696, 0.2674, 0.4084

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.2401, 0.2907, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9696, 0.2674, 0.4084 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(65, 161, 120)` looks like.

```
.text, #text, p{  
    color:rgb(65, 161, 120)  
}
```

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(65, 161, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 161, 120) }
```

Border

The CSS property to change the border of an element to Yxy 27.9696, 0.2674, 0.4084 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(65, 161, 120) }
```

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

```
.border{ border-color:rgb(65, 161, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 161, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 161, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 161, 120);  
box-shadow:4px 4px 4px 4px rgb(65, 161,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9696, 0.2674, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 161, 120) }
```

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

```
.background{ background-color: rgb(65, 161,  
120) }
```

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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