

Converting Colors

$Yxy(26.9142, 0.2694, 0.4092)$

Have a look what the booklet for
Yxy(26.9142, 0.2694, 0.4092)
contains.

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Color

Yxy(26.8963, 0.2693, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	429E75
RGB	66, 158, 117
RGB Percent	26%, 62%, 46%
CMY	0.7412, 0.3804, 0.5412
CMYK	0.58, 0.00, 0.26, 0.38
HSL	153°, 41%, 44%
HSV	153°, 58%, 62%
XYZ	17.6835, 26.8963, 21.0850
YIQ	125.8180, -41.6710, -32.2550

Conversions

Conversions Part 2

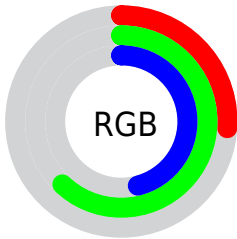
Format	Color
RYB	66, 125, 158
Decimal	4365941
CIELab	58.88, -37.31, 13.39
CIElCh	59, 39.642, 160.257
Yxy	26.8963, 0.2693, 0.4096
Android (android.graphics.Color)	4282556021 (0xFF429E75)
YUV	125.8180, -4.3473, -52.4604
Hunter-Lab	51.8616, -29.8938, 12.1981

Details

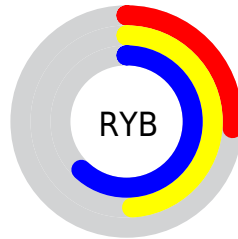
The Yxy color **26.8963, 0.2693, 0.4096** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.2272, 0.4047, 0.2646**, and the grayscale version is **20.8243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5906, 0.2793, 0.3911**, and **10.7377, 0.2559, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **26.2629, 0.2658, 0.4266**, and if you desaturate by 10%, it is **27.6960, 0.2744, 0.3932**.

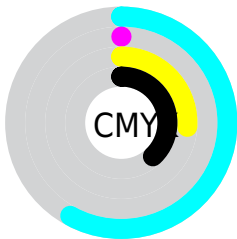
Distribution



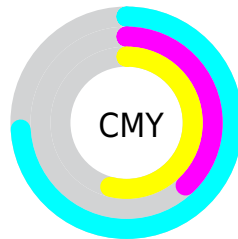
- Red (26%)
- Green (62%)
- Blue (46%)



- Red (26%)
- Yellow (49%)
- Blue (62%)



- Cyan (58%)
- Magenta (0%)
- Yellow (26%)
- Black (38%)




- Cyan (74%)
- Magenta (38%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8963, 0.2693, 0.4096 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 26.8963, 0.2693, 0.4096 by changing the saturation by 10% instead.


 26.8963, 0.2693,
0.4096

 26.8963, 0.2693,
0.4096


287.1547, 0.2939,
0.3636


 17.4954, 0.2619,
0.4235


 54.7174, 0.2791,
0.3912


 10.5883, 0.2516,
0.4431


 73.9064, 0.2825,
0.3849


 5.7907, 0.2362,
0.4727

 97.1268, 0.2853,
0.3797

 2.7182, 0.2109,
0.5221

 124.7631, 0.2876,
0.3753

 0.9865, 0.0204,
0.8625

 157.1996, 0.2895,
0.3717

 0.0000, 0.0000,
0.0000

194.8208, 0.2912,

0.3686

238.0110, 0.2927,
0.3659

■ 26.8963, 0.2693,
0.4096

■ 26.8963, 0.2693,
0.4096

■ 26.2629, 0.2658,
0.4266

■ 27.6960, 0.2744,
0.3932

■ 25.7793, 0.2641,
0.4437

■ 28.6702, 0.2809,
0.3777

■ 25.4315, 0.2644,
0.4607

■ 29.8307, 0.2884,
0.3633

■ 25.1914, 0.2663,
0.4773

■ 31.1872, 0.2967,
0.3500

■ 25.1527, 0.2667,
0.4802

■ 32.7485, 0.3054,
0.3380

■ 34.5232, 0.3143,
0.3272

■ 36.5192, 0.3233,
0.3175

■ 38.7440, 0.3321,
0.3090

■ 41.2049, 0.3408,
0.3015

Harmonies

Analogous

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



26.8963, 0.3325, 0.4484



26.8963, 0.2693, 0.4096



26.8963, 0.2209, 0.3421

Triad

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



26.8963, 0.2693, 0.4096



26.8963, 0.2295, 0.2263



26.8963, 0.4434, 0.3566

Complementary

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



26.8963, 0.2693, 0.4096



12.2272, 0.4047, 0.2646

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.



26.8963, 0.4108, 0.3069



26.8963, 0.2693, 0.4096



26.8963, 0.2817, 0.2357

Square

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



26.8963, 0.2693, 0.4096



26.8963, 0.2008, 0.2399



26.8963, 0.3488, 0.2643



26.8963, 0.4356, 0.4057

Rectangle

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



26.8963, 0.2693, 0.4096



26.8963, 0.2023, 0.2980



26.8963, 0.3488, 0.2643



26.8963, 0.4369, 0.3397

Sweetspot

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



26.8974, 0.2693, 0.4096



56.8720, 0.2974, 0.3489



27.9991, 0.3398, 0.4924



12.7104, 0.2959, 0.3512



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.



26.8974, 0.2693, 0.4096



47.3868, 0.2651, 0.4319



26.5418, 0.2399, 0.3204



7.4595, 0.3045, 0.3392



20.1515, 0.2663, 0.4788



0.3688, 0.2480, 0.4128

Inverse Universe

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



12.2272, 0.4047, 0.2646



18.1593, 0.4382, 0.2557



12.1181, 0.4808, 0.3365



6.6928, 0.3218, 0.3191



6.1881, 0.5141, 0.2606



0.1190, 0.4239, 0.2109

Previews

White Background



This preview shows how the Yxy color 26.8963, 0.2693, 0.4096 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 26.8963, 0.2693, 0.4096 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 26.8963, 0.2693, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 26.8963, 0.2693, 0.4096.



This preview shows how white text looks on a background with the Yxy color 26.8963, 0.2693, 0.4096.

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

26.8963, 0.2693, 0.4096

Protanopia

26.6379, 0.3562, 0.3816

Deuteranopia

26.5905, 0.3567, 0.3511



Tritanopia

26.8861, 0.2440, 0.3076

Trichromacy



Original Color

26.8963, 0.2693, 0.4096

Protanomaly

25.9592, 0.3169, 0.3924

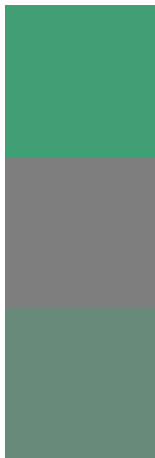
Deuteranomaly

25.7382, 0.3171, 0.3715

Tritanomaly

26.7543, 0.2530, 0.3418

Monochromacy



Original Color

26.8963, 0.2693, 0.4096

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.5501, 0.2914, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8963, 0.2693, 0.4096 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(66, 158, 117)` looks like.

```
.text, #text, p{  
    color:rgb(66, 158, 117)  
}
```

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(66, 158, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 158, 117) }
```

Border

The CSS property to change the border of an element to Yxy 26.8963, 0.2693, 0.4096 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(66, 158, 117) }
```

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

```
.border{ border-color:rgb(66, 158, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 158, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 158, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 158, 117); box-shadow:4px 4px 4px 4px rgb(66, 158, 117) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 26.8963, 0.2693, 0.4096$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 158, 117) }
```

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

```
.background{ background-color: rgb(66, 158,  
117) }
```

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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