

Converting Colors

$Y_{xy}(26.9632, 0.2760, 0.4193)$

Have a look what the booklet for
Yxy(26.9632, 0.2760, 0.4193)
contains.

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Color

Yxy(26.9632, 0.2760, 0.4193)

Conversions

Conversions Part 1

Format	Color
Hex	479E70
RGB	71, 158, 112
RGB Percent	28%, 62%, 44%
CMY	0.7216, 0.3804, 0.5608
CMYK	0.55, 0.00, 0.29, 0.38
HSL	148°, 38%, 45%
HSV	148°, 55%, 62%
XYZ	17.7483, 26.9632, 19.5938
YIQ	126.7430, -37.0860, -32.7500

Conversions

Conversions Part 2

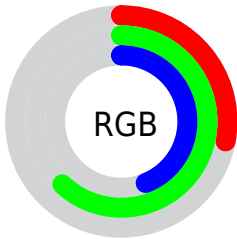
Format	Color
R_{YB}	71, 130, 158
Decimal	4693616
CIE _{Lab}	58.94, -37.23, 16.29
CIE _{LCh}	59, 40.640, 156.365
Yxy	26.9632, 0.2760, 0.4193
Android (android.graphics.Color)	4282883696 (0xFF479E70)
YUV	126.7430, -7.2683, -48.8866
Hunter-Lab	51.9261, -29.8597, 13.9758

Details

The Yxy color **26.9632, 0.2760, 0.4193** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.0582, 0.3841, 0.2563**, and the grayscale version is **21.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7045, 0.2845, 0.3981**, and **10.6782, 0.2604, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **26.2652, 0.2726, 0.4395**, and if you desaturate by 10%, it is **27.8360, 0.2809, 0.3999**.

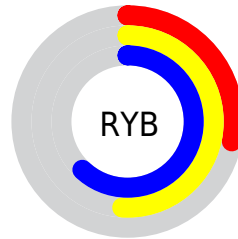
Distribution



Red (28%)

Green (62%)

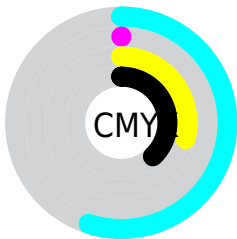
Blue (44%)



Red (28%)

Yellow (51%)

Blue (62%)

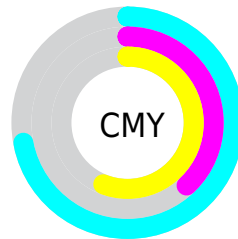


Cyan (55%)

Magenta (0%)

Yellow (29%)

Black (38%)



Cyan (72%)


Magenta (38%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9632, 0.2760, 0.4193 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 26.9632, 0.2760, 0.4193 by changing the saturation by 10% instead.


 26.9632, 0.2760,
0.4193


 26.9632, 0.2760,
0.4193

287.4789, 0.2973,
0.3675


 17.5456, 0.2695,
0.4350


 54.8248, 0.2846,
0.3986


 10.6242, 0.2602,
0.4572


 74.0376, 0.2875,
0.3914


 5.8148, 0.2459,
0.4909

 97.2842, 0.2899,
0.3856

 2.7328, 0.2218,
0.5470

 124.9491, 0.2919,
0.3807

 0.9939, 0.0310,
0.9690

 157.4166, 0.2935,
0.3766

 0.0000, 0.0000,
0.0000

195.0712, 0.2950,

0.3731

238.2971, 0.2962,
0.3701

■ 26.9632, 0.2760,
0.4193

■ 26.9632, 0.2760,
0.4193

■ 26.2652, 0.2726,
0.4395

■ 27.8360, 0.2809,
0.3999

■ 25.7259, 0.2709,
0.4599

■ 28.8917, 0.2869,
0.3816

■ 25.3317, 0.2712,
0.4800

■ 30.1420, 0.2937,
0.3647

■ 25.0642, 0.2732,
0.4991

■ 31.5963, 0.3011,
0.3493

■ 24.9564, 0.2745,
0.5083

■ 33.2637, 0.3088,
0.3355

■ 35.1525, 0.3165,
0.3231

■ 37.2709, 0.3243,
0.3121

■ 39.6262, 0.3318,
0.3025

■ 42.2258, 0.3391,
0.2940

Harmonies

Analogous

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



26.9632, 0.3414, 0.4532



26.9632, 0.2760, 0.4193



26.9632, 0.2239, 0.3517

Triad

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



26.9632, 0.2760, 0.4193



26.9632, 0.2225, 0.2246



26.9632, 0.4446, 0.3502

Complementary

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



26.9632, 0.2760, 0.4193



13.0582, 0.3841, 0.2563

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.



26.9632, 0.4062, 0.3001



26.9632, 0.2760, 0.4193



26.9632, 0.2728, 0.2313

Square

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



26.9632, 0.2760, 0.4193



26.9632, 0.1965, 0.2415



26.9632, 0.3404, 0.2582



26.9632, 0.4417, 0.4009

Rectangle

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



26.9632, 0.2760, 0.4193



26.9632, 0.2027, 0.3053



26.9632, 0.3404, 0.2582



26.9632, 0.4361, 0.3330

Sweetspot

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



26.9643, 0.2760, 0.4193



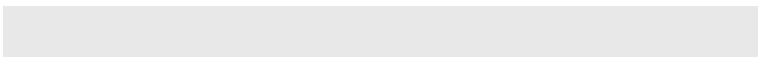
56.7450, 0.2994, 0.3527



28.7199, 0.3466, 0.4796



12.6790, 0.2980, 0.3555



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.



26.9643, 0.2760, 0.4193



47.4526, 0.2721, 0.4440



28.1648, 0.2461, 0.3340



7.4505, 0.3055, 0.3411



19.9936, 0.2741, 0.5068



0.3660, 0.2534, 0.4321

Inverse Universe

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



13.0582, 0.3841, 0.2563



19.5720, 0.4087, 0.2445



12.2667, 0.4658, 0.3249



6.7018, 0.3206, 0.3172



6.3369, 0.4797, 0.2416



0.1218, 0.4031, 0.1994

Previews

White Background



This preview shows how the Yxy color 26.9632, 0.2760, 0.4193 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 26.9632, 0.2760, 0.4193 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 26.9632, 0.2760, 0.4193

Background



This preview shows how black text looks on a background with the Yxy color 26.9632, 0.2760, 0.4193.



This preview shows how white text looks on a background with the Yxy color 26.9632, 0.2760, 0.4193.

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

26.9632, 0.2760, 0.4193

Protanopia

26.6285, 0.3627, 0.3896

Deuteranopia

26.6792, 0.3648, 0.3588



Tritanopia

26.7920, 0.2468, 0.3060

Trichromacy



Original Color

26.9632, 0.2760, 0.4193

Protanomaly

26.0665, 0.3248, 0.4010

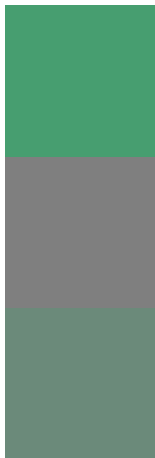
Deuteranomaly

25.9301, 0.3263, 0.3799

Tritanomaly

26.9049, 0.2575, 0.3454

Monochromacy



Original Color

26.9632, 0.2760, 0.4193

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.7079, 0.2954, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9632, 0.2760, 0.4193 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(71, 158, 112)` looks like.

```
.text, #text, p{  
    color:rgb(71, 158, 112)  
}
```

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(71, 158, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 158, 112) }
```

Border

The CSS property to change the border of an element to Yxy 26.9632, 0.2760, 0.4193 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(71, 158, 112) }
```

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

```
.border{ border-color:rgb(71, 158, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 158, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 158, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 158, 112);  
box-shadow:4px 4px 4px 4px rgb(71, 158,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9632, 0.2760, 0.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 158, 112) }
```

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

```
.background{ background-color: rgb(71, 158,  
112) }
```

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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