

Converting Colors

$Y_{xy}(26.9231, 0.2758, 0.4076)$

Have a look what the booklet for
Yxy(26.9231, 0.2758, 0.4076)
contains.

Yxy(26.9348, 0.2754, 0.4066)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9348, 0.2754, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	4C9D75
RGB	76, 157, 117
RGB Percent	30%, 62%, 46%
CMY	0.7023, 0.3843, 0.5412
CMYK	0.52, 0.00, 0.25, 0.38
HSL	150°, 35%, 46%
HSV	150°, 52%, 62%
XYZ	18.2436, 26.9348, 21.0656
YIQ	128.2210, -35.4360, -29.6120

Conversions

Conversions Part 2

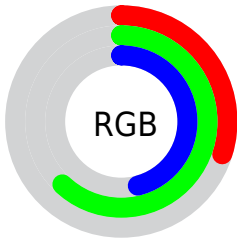
Format	Color
RYB	76, 130, 157
Decimal	5021045
CIELab	58.91, -34.48, 13.49
CIElCh	59, 37.028, 158.637
Yxy	26.9348, 0.2754, 0.4066
Android (android.graphics.Color)	4283211125 (0xFF4C9D75)
YUV	128.2210, -5.5320, -45.7978
Hunter-Lab	51.8987, -28.0760, 12.2634

Details

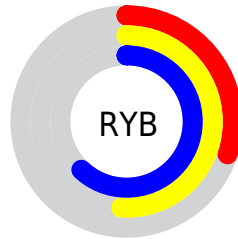
The Yxy color **26.9348, 0.2754, 0.4066** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5875, 0.3826, 0.2648**, and the grayscale version is **21.6900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6974, 0.2839, 0.3890**, and **10.6262, 0.2597, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **26.1953, 0.2712, 0.4251**, and if you desaturate by 10%, it is **27.8485, 0.2810, 0.3889**.

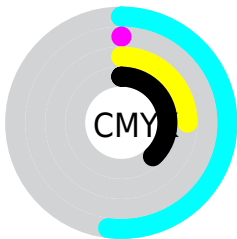
Distribution



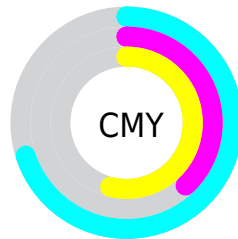
- Red (30%)
- Green (62%)
- Blue (46%)



- Red (30%)
- Yellow (51%)
- Blue (62%)



- Cyan (52%)
- Magenta (0%)
- Yellow (25%)
- Black (38%)





- Cyan (70%)
- Magenta (38%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9348, 0.2754, 0.4066 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 26.9348, 0.2754, 0.4066 by changing the saturation by 10% instead.


 26.9348, 0.2754,
0.4066


 26.9348, 0.2754,
0.4066


287.3413, 0.2967,
0.3623


 17.5243, 0.2690,
0.4199


 54.7792, 0.2839,
0.3890


 10.6090, 0.2600,
0.4387


 73.9819, 0.2868,
0.3828

 5.8046, 0.2465,
0.4671

 97.2174, 0.2892,
0.3778

 2.7266, 0.2240,
0.5144

 124.8702, 0.2912,
0.3737

 0.9907, 0.0789,
0.8132

 157.3245, 0.2929,
0.3702

 0.0000, 0.0000,
0.0000

194.9649, 0.2943,

0.3672

238.1757, 0.2956,
0.3646

■ 26.9348, 0.2754,
0.4066

■ 26.9348, 0.2754,
0.4066

■ 26.1953, 0.2712,
0.4251

■ 27.8485, 0.2810,
0.3889

■ 25.6147, 0.2686,
0.4441

■ 28.9438, 0.2877,
0.3724

■ 25.1805, 0.2680,
0.4631

■ 30.2318, 0.2952,
0.3572

■ 24.8766, 0.2692,
0.4816

■ 31.7217, 0.3031,
0.3434

■ 24.6904, 0.2712,
0.4965

■ 33.4220, 0.3114,
0.3309

■ 35.3408, 0.3196,
0.3198

■ 37.4857, 0.3278,
0.3100

■ 39.8640, 0.3358,
0.3014

■ 42.4825, 0.3436,
0.2938

Harmonies

Analogous

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



26.9348, 0.3351, 0.4406



26.9348, 0.2754, 0.4066



26.9348, 0.2286, 0.3451

Triad

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



26.9348, 0.2754, 0.4066



26.9348, 0.2325, 0.2324



26.9348, 0.4341, 0.3531

Complementary

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



26.9348, 0.2754, 0.4066



13.5875, 0.3826, 0.2648

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.



26.9348, 0.4017, 0.3062



26.9348, 0.2754, 0.4066



26.9348, 0.2808, 0.2400

Square

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



26.9348, 0.2754, 0.4066



26.9348, 0.2064, 0.2469



26.9348, 0.3431, 0.2663



26.9348, 0.4293, 0.3994

Rectangle

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



26.9348, 0.2754, 0.4066



26.9348, 0.2099, 0.3036



26.9348, 0.3431, 0.2663



26.9348, 0.4272, 0.3371

Sweetspot

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



26.9359, 0.2754, 0.4066



55.7854, 0.3002, 0.3482



28.3842, 0.3425, 0.4713



12.1602, 0.2986, 0.3509



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



26.9359, 0.2754, 0.4066



46.7257, 0.2707, 0.4280



28.0864, 0.2473, 0.3288



7.4543, 0.3051, 0.3403



20.0571, 0.2709, 0.4951



0.3672, 0.2510, 0.4237

Inverse Universe

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



13.5875, 0.3826, 0.2648



20.1098, 0.4071, 0.2533



12.8486, 0.4561, 0.3294



6.6980, 0.3211, 0.3180



6.2700, 0.4943, 0.2497



0.1206, 0.4115, 0.2041

Previews

White Background



This preview shows how the Yxy color 26.9348, 0.2754, 0.4066 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 26.9348, 0.2754, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

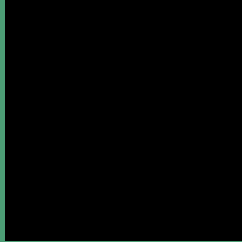
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.9348, 0.2754, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 26.9348, 0.2754, 0.4066.



This preview shows how white text looks on a background with the Yxy color 26.9348, 0.2754, 0.4066.

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

26.9348, 0.2754, 0.4066

Protanopia

26.6379, 0.3562, 0.3816

Deuteranopia

26.5905, 0.3567, 0.3511



Tritanopia

26.9014, 0.2494, 0.3078

Trichromacy



Original Color

26.9348, 0.2754, 0.4066

Protanomaly

26.2482, 0.3211, 0.3916

Deuteranomaly

26.0484, 0.3214, 0.3709

Tritanomaly

26.7426, 0.2585, 0.3417

Monochromacy



Original Color

26.9348, 0.2754, 0.4066

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.1717, 0.2956, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9348, 0.2754, 0.4066 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(76, 157, 117)` looks like.

```
.text, #text, p{  
    color:rgb(76, 157, 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(76, 157, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 157, 117) }
```

Border

The CSS property to change the border of an element to Yxy 26.9348, 0.2754, 0.4066 is called "border". The border property can be set on classes, ids or directly on the HTML element.

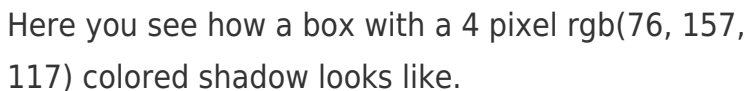
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(76, 157, 117) }
```

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

```
.border{ border-color:rgb(76, 157, 117) }
```

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



Here you see how a box with a 4 pixel `rgb(76, 157, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 157, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 157, 117);  
box-shadow:4px 4px 4px 4px rgb(76, 157,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9348, 0.2754, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 157, 117) }
```

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

```
.background{ background-color: rgb(76, 157,  
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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