

Converting Colors

$Yxy(21.4819, 0.2630, 0.4667)$

Have a look what the booklet for
Yxy(21.4819, 0.2630, 0.4667)
contains.

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Color

Yxy(21.5556, 0.2628, 0.4661)

Conversions

Conversions Part 1

Format	Color
Hex	009357
RGB	0, 147, 87
RGB Percent	0%, 58%, 34%
CMY	1.0000, 0.4235, 0.6588
CMYK	1.00, 0.00, 0.41, 0.42
HSL	156°, 100%, 29%
HSV	156°, 100%, 58%
XYZ	12.1536, 21.5556, 12.5375
YIQ	96.2070, -68.3520, -49.8240

Conversions

Conversions Part 2

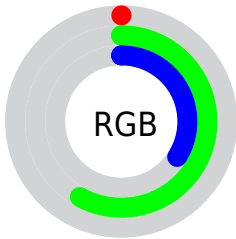
Format	Color
RYB	0, 92, 147
Decimal	37719
CIELab	53.55, -47.90, 22.62
CIELCh	54, 52.967, 154.722
Yxy	21.5556, 0.2628, 0.4661
Android (android.graphics.Color)	4278227799 (0xFF009357)
YUV	96.2070, -4.5391, -84.3735
Hunter-Lab	46.4280, -34.5224, 16.4888

Details

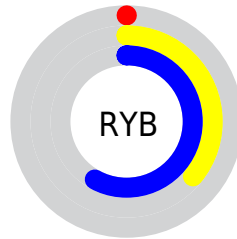
The Yxy color **21.5556, 0.2628, 0.4661** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.5296, 0.5301, 0.2694**, and the grayscale version is **11.7744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9785, 0.2763, 0.4323**, and **8.3376, 0.2764, 0.5149** is the 20% darker color. If you saturate the color by 10%, you get **21.5568, 0.2628, 0.4661**, and if you desaturate by 10%, it is **21.7580, 0.2612, 0.4509**.

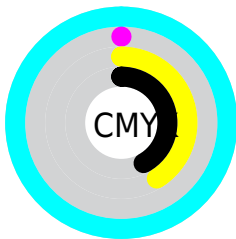
Distribution



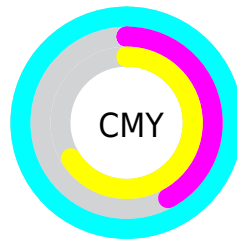
- Red (0%)
- Green (58%)
- Blue (34%)



- Red (0%)
- Yellow (36%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5556, 0.2628, 0.4661 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 21.5556, 0.2628, 0.4661 by changing the saturation by 10% instead.


 21.5556, 0.2628,
0.4661


 21.5556, 0.2628,
0.4661


260.2166, 0.2936,
0.3836


 13.5307, 0.2523,
0.4932


 46.0104, 0.2758,
0.4318


 7.7950, 0.2365,
0.5329


 63.2091, 0.2801,
0.4203


 3.9641, 0.2105,
0.5958

 84.2346, 0.2835,
0.4111

 1.6535, 0.1308,
0.8425

 109.4711, 0.2863,
0.4036

 0.3933, 0.0000,
1.0000

 139.3032, 0.2886,
0.3973

 0.0000, 0.0000,
0.0000

 174.1153, 0.2905,

0.3920

214.2916, 0.2922,
0.3875

■ 21.5556, 0.2628,
0.4661

■ 21.5556, 0.2628,
0.4661

■ 21.5568, 0.2628,
0.4661

■ 21.7580, 0.2612,
0.4509

■ 22.0366, 0.2609,
0.4355

■ 22.4263, 0.2626,
0.4199

■ 22.9401, 0.2662,
0.4045

■ 23.5892, 0.2714,
0.3897

■ 24.3833, 0.2780,
0.3755

■ 25.3314, 0.2858,
0.3623

■ 26.4417, 0.2943,
0.3501

■ 27.7218, 0.3034,
0.3390

Harmonies

Analogous

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



21.5556, 0.3505, 0.5069



21.5556, 0.2628, 0.4661



21.5556, 0.1938, 0.3645

Triad

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



21.5556, 0.2628, 0.4661



21.5556, 0.1892, 0.1907



21.5556, 0.4950, 0.3467

Complementary

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



21.5556, 0.2628, 0.4661



6.5296, 0.5301, 0.2694

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.



21.5556, 0.4392, 0.2841



21.5556, 0.2628, 0.4661



21.5556, 0.2522, 0.1990

Square

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



21.5556, 0.2628, 0.4661



21.5556, 0.1586, 0.2112



21.5556, 0.3439, 0.2320



21.5556, 0.4889, 0.4135

Rectangle

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



21.5556, 0.2628, 0.4661



21.5556, 0.1667, 0.2965



21.5556, 0.3439, 0.2320



21.5556, 0.4830, 0.3252

Sweetspot

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



21.5568, 0.2628, 0.4661



45.2497, 0.2853, 0.3631



21.8687, 0.3273, 0.5784



10.1749, 0.2822, 0.3681



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.5568, 0.2628, 0.4661



38.5673, 0.2636, 0.4690



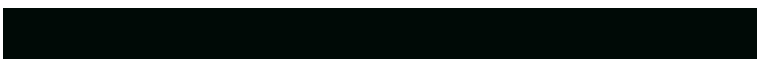
19.3659, 0.2176, 0.3032



6.5226, 0.3041, 0.3382



18.6926, 0.2626, 0.4653



0.2347, 0.2439, 0.3980

Inverse Universe

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



6.5296, 0.5301, 0.2694



11.6597, 0.5351, 0.2721



6.4724, 0.6322, 0.3363



5.8523, 0.3222, 0.3200



5.6652, 0.5287, 0.2686



0.0749, 0.4281, 0.2132

Previews

White Background



This preview shows how the Yxy color 21.5556, 0.2628, 0.4661 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 21.5556, 0.2628, 0.4661 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 21.5556, 0.2628, 0.4661

Background



This preview shows how black text looks on a background with the Yxy color 21.5556, 0.2628, 0.4661.



This preview shows how white text looks on a background with the Yxy color 21.5556, 0.2628, 0.4661.

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

21.5556, 0.2628, 0.4661

Protanopia

21.2322, 0.3827, 0.4136

Deuteranopia

21.2887, 0.3853, 0.3781



Tritanopia

21.4839, 0.2321, 0.3052

Trichromacy



Original Color

21.5556, 0.2628, 0.4661



Protanomaly

19.7341, 0.3137, 0.4399



Deuteranomaly

19.4747, 0.3143, 0.4128



Tritanomaly

21.2446, 0.2402, 0.3586

Monochromacy



Original Color

21.5556, 0.2628, 0.4661



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.0439, 0.2740, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5556, 0.2628, 0.4661 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(0, 147, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 87)  
}
```

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(0, 147, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 87) }
```

Border

The CSS property to change the border of an element to Yxy 21.5556, 0.2628, 0.4661 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(0, 147, 87) }
```

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

```
.border{ border-color:rgb(0, 147, 87) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5556, 0.2628, 0.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 87) }
```

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

```
.background{ background-color: rgb(0, 147,  
87) }
```

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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