

Converting Colors

$Y_{xy}(15.6789, 0.2503, 0.4219)$

Have a look what the booklet for
Yxy(15.6789, 0.2503, 0.4219)
contains.

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Color

Yxy(15.6599, 0.2504, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	007E5A
RGB	0, 126, 90
RGB Percent	0%, 49%, 35%
CMY	0.9994, 0.5059, 0.6471
CMYK	1.00, 0.00, 0.29, 0.51
HSL	163°, 100%, 25%
HSV	163°, 100%, 49%
XYZ	9.3075, 15.6599, 12.2031
YIQ	84.2220, -63.5400, -37.9080

Conversions

Conversions Part 2

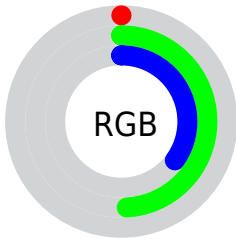
Format	Color
RYB	0, 74, 126
Decimal	32346
CIELab	46.53, -39.04, 11.37
CIELCh	47, 40.665, 163.757
Yxy	15.6599, 0.2504, 0.4213
Android (android.graphics.Color)	4278222426 (0xFF007E5A)
YUV	84.2220, 2.8486, -73.8627
Hunter-Lab	39.5726, -27.2688, 9.4175

Details

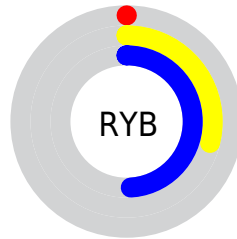
The Yxy color **15.6599, 0.2504, 0.4213** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.5675, 0.5727, 0.2930**, and the grayscale version is **8.9281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1557, 0.2663, 0.3979**, and **5.3507, 0.2610, 0.4595** is the 20% darker color. If you saturate the color by 10%, you get **15.6587, 0.2504, 0.4214**, and if you desaturate by 10%, it is **15.8061, 0.2502, 0.4109**.

Distribution



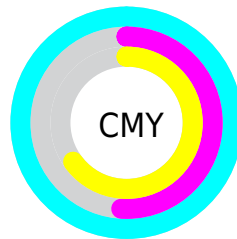
- Red (0%)
- Green (49%)
- Blue (35%)



- Red (0%)
- Yellow (29%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6599, 0.2504, 0.4213 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 15.6599, 0.2504, 0.4213 by changing the saturation by 10% instead.


 15.6599, 0.2504,
0.4213


 15.6599, 0.2504,
0.4213


227.3264, 0.2882,
0.3644


 9.2838, 0.2377,
0.4412


 36.0068, 0.2663,
0.3970


 4.9268, 0.2185,
0.4717

 50.7463, 0.2715,
0.3891

 2.2044, 0.1868,
0.5241

 69.0425, 0.2757,
0.3828

 0.7224, 0.0000,
1.0000

 91.2797, 0.2791,
0.3778

 0.0000, 0.0000,
0.0000

 117.8423, 0.2820,
0.3735

 149.1147, 0.2844,

0.3700

185.4812, 0.2864,
0.3670

■ 15.6599, 0.2504,
0.4213

■ 15.6599, 0.2504,
0.4213

■ 15.6587, 0.2504,
0.4214

■ 15.8061, 0.2502,
0.4109

■ 15.9996, 0.2512,
0.4004

■ 16.2686, 0.2541,
0.3900

■ 16.6218, 0.2587,
0.3798

■ 17.0666, 0.2650,
0.3699

■ 17.6097, 0.2728,
0.3605

■ 18.2569, 0.2817,
0.3516

■ 19.0139, 0.2915,
0.3434

■ 19.8856, 0.3020,
0.3358

Harmonies

Analogous

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



15.6599, 0.3248, 0.4757



15.6599, 0.2504, 0.4213



15.6599, 0.1970, 0.3334

Triad

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



15.6599, 0.2504, 0.4213



15.6599, 0.2185, 0.2069



15.6599, 0.4738, 0.3655

Complementary

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



15.6599, 0.2504, 0.4213



4.5675, 0.5727, 0.2930

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.



15.6599, 0.4403, 0.3073



15.6599, 0.2504, 0.4213



15.6599, 0.2830, 0.2211

Square

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



15.6599, 0.2504, 0.4213



15.6599, 0.1821, 0.2180



15.6599, 0.3660, 0.2566



15.6599, 0.4562, 0.4240

Rectangle

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



15.6599, 0.2504, 0.4213



15.6599, 0.1784, 0.2807



15.6599, 0.3660, 0.2566



15.6599, 0.4684, 0.3457

Sweetspot

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



15.6605, 0.2504, 0.4213



32.0350, 0.2809, 0.3523



15.3322, 0.3162, 0.5870



7.1941, 0.2778, 0.3553



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.6605, 0.2504, 0.4213



27.5381, 0.2511, 0.4238



10.7821, 0.2072, 0.2658



4.8666, 0.3028, 0.3352



16.0639, 0.2504, 0.4216



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.5675, 0.5727, 0.2930



8.0105, 0.5788, 0.2962



5.1454, 0.6124, 0.3517



4.3629, 0.3237, 0.3229



4.6809, 0.5734, 0.2932



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.6599, 0.2504, 0.4213 looks on a white 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

Black Background



This preview shows how the Yxy color 15.6599, 0.2504, 0.4213 looks on a black 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

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

Yxy 15.6599, 0.2504, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 15.6599, 0.2504, 0.4213.



This preview shows how white text looks on a background with the Yxy color 15.6599, 0.2504, 0.4213.

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

15.6599, 0.2504, 0.4213

Protanopia

15.6279, 0.3592, 0.3843

Deuteranopia

15.5518, 0.3579, 0.3527



Tritanopia

15.8057, 0.2304, 0.3064

Trichromacy



Original Color

15.6599, 0.2504, 0.4213

Protanomaly

14.6585, 0.2962, 0.4011

Deuteranomaly

14.3060, 0.2943, 0.3762

Tritanomaly

15.6599, 0.2358, 0.3455

Monochromacy



Original Color

15.6599, 0.2504, 0.4213

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.3798, 0.2694, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6599, 0.2504, 0.4213 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, 126, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 90)  
}
```

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, 126, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 90) }
```

Border

The CSS property to change the border of an element to Yxy 15.6599, 0.2504, 0.4213 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, 126, 90) }
```

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

```
.border{ border-color:rgb(0, 126, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6599, 0.2504, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 90) }
```

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

```
.background{ background-color: rgb(0, 126,  
90) }
```

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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