

Converting Colors

$Y_{xy}(10.7563, 0.1527, 0.4376)$

Have a look what the booklet for
Yxy(10.7563, 0.1527, 0.4376)
contains.

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Color

$Y_{xy}(12.6592, 0.2488, 0.4155)$

Conversions

Conversions Part 1

Format	Color
Hex	007253
RGB	0, 114, 83
RGB Percent	0%, 45%, 33%
CMY	0.9993, 0.5530, 0.6745
CMYK	1.00, 0.00, 0.27, 0.55
HSL	164°, 100%, 22%
HSV	164°, 100%, 45%
XYZ	7.5803, 12.6592, 10.2279
YIQ	76.3800, -57.9930, -33.8090

Conversions

Conversions Part 2

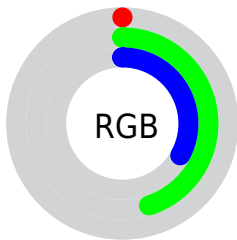
Format	Color
RYB	0, 66, 114
Decimal	29267
CIELab	42.25, -35.84, 9.51
CIELCh	42, 37.075, 165.142
Yxy	12.6592, 0.2488, 0.4155
Android (android.graphics.Color)	4278219347 (0xFF007253)
YUV	76.3800, 3.2637, -66.9853
Hunter-Lab	35.5798, -24.2351, 7.8621

Details

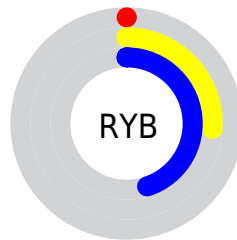
The Yxy color **12.6592, 0.2488, 0.4155** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.6808, 0.5747, 0.2942**, and the grayscale version is **7.3125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7867, 0.2653, 0.3912**, and **3.9205, 0.2595, 0.4541** is the 20% darker color. If you saturate the color by 10%, you get **12.6578, 0.2488, 0.4157**, and if you desaturate by 10%, it is **12.7827, 0.2490, 0.4057**.

Distribution



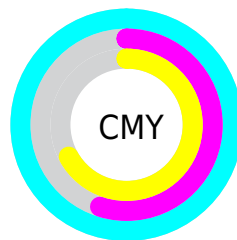
- Red (0%)
- Green (45%)
- Blue (33%)



- Red (0%)
- Yellow (26%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6592, 0.2488, 0.4155 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 12.6592, 0.2488, 0.4155 by changing the saturation by 10% instead.


 12.6592, 0.2488,
0.4155


 12.6592, 0.2488,
0.4155

 208.7218, 0.2885,
0.3609


 7.1943, 0.2348,
0.4356


 30.6901, 0.2658,
0.3917


 3.5839, 0.2131,
0.4677

 44.0250, 0.2713,
0.3841


 1.4436, 0.1550,
0.5410

 60.7519, 0.2757,
0.3781

 0.2486, 0.0000,
1.0000

 81.2553, 0.2792,
0.3733


 0.0000, 0.0000,
0.0000

 105.9196, 0.2821,
0.3694

 135.1292, 0.2846,

0.3661

 169.2685, 0.2867,
0.3633


 12.6592, 0.2488,
0.4155

 12.6592, 0.2488,
0.4155

 12.6578, 0.2488,
0.4157

 12.7827, 0.2490,
0.4057

 12.9407, 0.2503,
0.3959

 13.1587, 0.2534,
0.3862

 13.4435, 0.2582,
0.3766

 13.8007, 0.2647,
0.3673

■ 14.2356, 0.2725,
0.3585

■ 14.7527, 0.2815,
0.3502

■ 15.3564, 0.2914,
0.3425

■ 16.0505, 0.3019,
0.3354

Harmonies

Analogous

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



12.6592, 0.3214, 0.4711



12.6592, 0.2488, 0.4155



12.6592, 0.1975, 0.3296

Triad

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



12.6592, 0.2488, 0.4155



12.6592, 0.2227, 0.2091



12.6592, 0.4708, 0.3680

Complementary

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



12.6592, 0.2488, 0.4155



3.6808, 0.5747, 0.2942

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.



12.6592, 0.4401, 0.3105



12.6592, 0.2488, 0.4155



12.6592, 0.2872, 0.2241

Square

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



12.6592, 0.2488, 0.4155



12.6592, 0.1854, 0.2190



12.6592, 0.3687, 0.2600



12.6592, 0.4517, 0.4251

Rectangle

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



12.6592, 0.2488, 0.4155



12.6592, 0.1801, 0.2788



12.6592, 0.3687, 0.2600



12.6592, 0.4663, 0.3485

Sweetspot

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



12.6597, 0.2488, 0.4155



25.8359, 0.2806, 0.3509



12.3483, 0.3154, 0.5876



5.9047, 0.2777, 0.3536



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.6597, 0.2488, 0.4155



22.2232, 0.2495, 0.4181



8.4167, 0.2059, 0.2610



3.8004, 0.3029, 0.3348



14.0885, 0.2489, 0.4162



70.0309, 0.2504, 0.4215

Inverse Universe

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



3.6808, 0.5747, 0.2942



6.4417, 0.5815, 0.2977



4.2659, 0.6073, 0.3557



3.4151, 0.3236, 0.3233



4.0901, 0.5766, 0.2950



20.2474, 0.5901, 0.3024

Previews

White Background



This preview shows how the Yxy color 12.6592, 0.2488, 0.4155 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 12.6592, 0.2488, 0.4155 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 12.6592, 0.2488, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 12.6592, 0.2488, 0.4155.



This preview shows how white text looks on a background with the Yxy color 12.6592, 0.2488, 0.4155.

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

12.6592, 0.2488, 0.4155

Protanopia

12.5097, 0.3564, 0.3808

Deuteranopia

12.6313, 0.3543, 0.3484



Tritanopia

12.6386, 0.2305, 0.3066

Trichromacy



Original Color

12.6592, 0.2488, 0.4155

Protanomaly

11.6941, 0.2951, 0.3946

Deuteranomaly

11.7888, 0.2931, 0.3724

Tritanomaly

12.5830, 0.2357, 0.3444

Monochromacy



Original Color

12.6592, 0.2488, 0.4155

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.5052, 0.2675, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6592, 0.2488, 0.4155 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, 114, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 83)  
}
```

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, 114, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.6592, 0.2488, 0.4155 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, 114, 83) }
```

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

```
.border{ border-color:rgb(0, 114, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6592, 0.2488, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 83) }
```

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

```
.background{ background-color: rgb(0, 114,  
83) }
```

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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