

Converting Colors

$Y_{xy}(11.6656, 0.1828, 0.4298)$

Have a look what the booklet for
Yxy(11.6656, 0.1828, 0.4298)
contains.

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Color

Yxy(13.1467, 0.2484, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	007455
RGB	0, 116, 85
RGB Percent	0%, 45%, 33%
CMY	0.9995, 0.5451, 0.6667
CMYK	1.00, 0.00, 0.27, 0.55
HSL	164°, 100%, 23%
HSV	164°, 100%, 45%
XYZ	7.8861, 13.1467, 10.7148
YIQ	77.7820, -59.1850, -34.2330

Conversions

Conversions Part 2

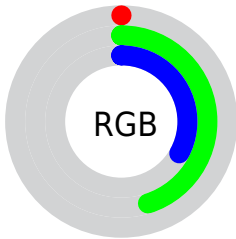
Format	Color
RYB	0, 67, 116
Decimal	29781
CIELab	42.98, -36.16, 9.36
CIELCh	43, 37.353, 165.489
Yxy	13.1467, 0.2484, 0.4141
Android (android.graphics.Color)	4278219861 (0xFF007455)
YUV	77.7820, 3.5585, -68.2148
Hunter-Lab	36.2584, -24.6288, 7.8599

Details

The Yxy color **13.1467, 0.2484, 0.4141** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8156, 0.5769, 0.2954**, and the grayscale version is **7.5849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6211, 0.2650, 0.3905**, and **4.1675, 0.2586, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **13.1457, 0.2484, 0.4142**, and if you desaturate by 10%, it is **13.2730, 0.2486, 0.4044**.

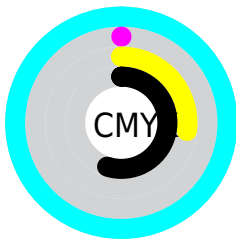
Distribution



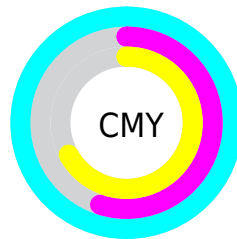
- Red (0%)
- Green (45%)
- Blue (33%)



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



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




- Cyan (100%)
- Magenta (55%)
- Yellow (67%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1467, 0.2484, 0.4141 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 13.1467, 0.2484, 0.4141 by changing the saturation by 10% instead.


 13.1467, 0.2484,
0.4141


 13.1467, 0.2484,
0.4141


211.8557, 0.2881,
0.3606


 7.5296, 0.2346,
0.4336


 31.5671, 0.2653,
0.3909


 3.7955, 0.2133,
0.4643

 45.1392, 0.2708,
0.3835


 1.5598, 0.1636,
0.5281

 62.1318, 0.2752,
0.3776

 0.3303, 0.0000,
1.0000

 82.9293, 0.2787,
0.3729

 0.0000, 0.0000,
0.0000

 107.9160, 0.2817,
0.3690


 137.4764, 0.2841,


0.3658


 171.9948, 0.2863,
0.3630


 13.1467, 0.2484,
0.4141


 13.1467, 0.2484,
0.4141

 13.1457, 0.2484,
0.4142

 13.2730, 0.2486,
0.4044

 13.4355, 0.2499,
0.3948

 13.6605, 0.2530,
0.3853

 13.9547, 0.2579,
0.3759

 14.3243, 0.2643,
0.3668

■ 14.7747, 0.2722,
0.3581

■ 15.3106, 0.2813,
0.3499

■ 15.9365, 0.2912,
0.3423

■ 16.6566, 0.3018,
0.3353

Harmonies

Analogous

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



13.1467, 0.3205, 0.4700



13.1467, 0.2484, 0.4141



13.1467, 0.1976, 0.3286

Triad

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



13.1467, 0.2484, 0.4141



13.1467, 0.2237, 0.2097



13.1467, 0.4701, 0.3686

Complementary

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



13.1467, 0.2484, 0.4141



3.8156, 0.5769, 0.2954

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.



13.1467, 0.4401, 0.3112



13.1467, 0.2484, 0.4141



13.1467, 0.2882, 0.2249

Square

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



13.1467, 0.2484, 0.4141



13.1467, 0.1862, 0.2192



13.1467, 0.3694, 0.2608



13.1467, 0.4506, 0.4254

Rectangle

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



13.1467, 0.2484, 0.4141



13.1467, 0.1805, 0.2783



13.1467, 0.3694, 0.2608



13.1467, 0.4657, 0.3491

Sweetspot

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



13.1472, 0.2484, 0.4141



26.8247, 0.2804, 0.3506



12.8136, 0.3152, 0.5878



6.3213, 0.2773, 0.3533



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.1472, 0.2484, 0.4141



23.0865, 0.2490, 0.4165



8.7262, 0.2058, 0.2608



4.1394, 0.3027, 0.3347



14.7497, 0.2485, 0.4147



71.7290, 0.2500, 0.4199

Inverse Universe

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



3.8156, 0.5769, 0.2954



6.6818, 0.5835, 0.2988



4.4189, 0.6077, 0.3554



3.7155, 0.3238, 0.3233



4.2753, 0.5787, 0.2962



20.7093, 0.5918, 0.3034

Previews

White Background



This preview shows how the Yxy color 13.1467, 0.2484, 0.4141 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 13.1467, 0.2484, 0.4141 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 13.1467, 0.2484, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 13.1467, 0.2484, 0.4141.



This preview shows how white text looks on a background with the Yxy color 13.1467, 0.2484, 0.4141.

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

13.1467, 0.2484, 0.4141

Protanopia

13.0456, 0.3556, 0.3799

Deuteranopia

13.1015, 0.3519, 0.3482



Tritanopia

13.1370, 0.2307, 0.3070

Trichromacy



Original Color

13.1467, 0.2484, 0.4141

Protanomaly

12.1674, 0.2941, 0.3936

Deuteranomaly

12.2242, 0.2908, 0.3719

Tritanomaly

13.0660, 0.2354, 0.3442

Monochromacy



Original Color

13.1467, 0.2484, 0.4141

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.9265, 0.2682, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1467, 0.2484, 0.4141 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, 116, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 85)  
}
```

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, 116, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 85) }
```

Border

The CSS property to change the border of an element to Yxy 13.1467, 0.2484, 0.4141 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, 116, 85) }
```

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

```
.border{ border-color:rgb(0, 116, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1467, 0.2484, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 85) }
```

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

```
.background{ background-color: rgb(0, 116,  
85) }
```

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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