

Converting Colors

$Y_{xy}(13.1453, 0.2605, 0.4465)$

Have a look what the booklet for
Yxy(13.1453, 0.2605, 0.4465)
contains.

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Color

Yxy(13.0563, 0.2603, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	0B744A
RGB	11, 116, 74
RGB Percent	4%, 45%, 29%
CMY	0.9566, 0.5451, 0.7098
CMYK	0.90, 0.00, 0.36, 0.55
HSL	156°, 83%, 25%
HSV	156°, 90%, 45%
XYZ	7.6201, 13.0563, 8.5978
YIQ	79.8170, -49.0980, -35.3220

Conversions

Conversions Part 2

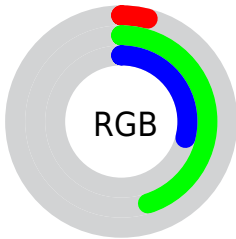
Format	Color
RYB	11, 77, 116
Decimal	750666
CIELab	42.85, -38.06, 15.66
CIELCh	43, 41.153, 157.636
Yxy	13.0563, 0.2603, 0.4460
Android (android.graphics.Color)	4278940746 (0xFF0B744A)
YUV	79.8170, -2.8678, -60.3525
Hunter-Lab	36.1335, -25.5903, 11.1856

Details

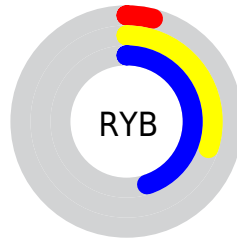
The Yxy color **13.0563, 0.2603, 0.4460** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2113, 0.4996, 0.2641**, and the grayscale version is **8.0013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4257, 0.2749, 0.4133**, and **3.9902, 0.2709, 0.4953** is the 20% darker color. If you saturate the color by 10%, you get **12.9277, 0.2611, 0.4601**, and if you desaturate by 10%, it is **13.2283, 0.2604, 0.4312**.

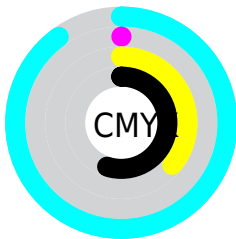
Distribution



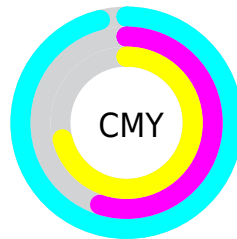
- Red (4%)
- Green (45%)
- Blue (29%)



- Red (4%)
- Yellow (30%)
- Blue (45%)



- Cyan (90%)
- Magenta (0%)
- Yellow (36%)
- Black (55%)




- Cyan (96%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0563, 0.2603, 0.4460 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 13.0563, 0.2603, 0.4460 by changing the saturation by 10% instead.


 13.0563, 0.2603,
0.4460


 13.0563, 0.2603,
0.4460


211.2782, 0.2938,
0.3714


 7.4673, 0.2477,
0.4739


 31.4049, 0.2751,
0.4132


 3.7560, 0.2274,
0.5186

 44.9333, 0.2797,
0.4029

 1.5381, 0.1751,
0.6369

 61.8770, 0.2834,
0.3947

 0.3153, 0.0000,
1.0000


 82.6203, 0.2863,
0.3882


 0.0000, 0.0000,
0.0000

 107.5477, 0.2887,
0.3829

 137.0436, 0.2907,

0.3784


 171.4922, 0.2924,
0.3746

 13.0563, 0.2603,
0.4460


 13.0563, 0.2603,
0.4460


 12.9277, 0.2611,
0.4601

 13.2283, 0.2604,
0.4312

 13.4643, 0.2624,
0.4163

 13.7718, 0.2661,
0.4016

 14.1570, 0.2714,
0.3874

 14.6253, 0.2780,
0.3740

■ 15.1816, 0.2856,
0.3613

■ 15.8306, 0.2941,
0.3497

■ 16.5763, 0.3030,
0.3391

■ 17.4228, 0.3123,
0.3294

Harmonies

Analogous

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



13.0563, 0.3414, 0.4913



13.0563, 0.2603, 0.4460



13.0563, 0.1981, 0.3526

Triad

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



13.0563, 0.2603, 0.4460



13.0563, 0.2021, 0.1994



13.0563, 0.4827, 0.3534

Complementary

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



13.0563, 0.2603, 0.4460



4.2113, 0.4996, 0.2641

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.



13.0563, 0.4361, 0.2934



13.0563, 0.2603, 0.4460



13.0563, 0.2644, 0.2095

Square

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



13.0563, 0.2603, 0.4460



13.0563, 0.1701, 0.2166



13.0563, 0.3509, 0.2427



13.0563, 0.4733, 0.4161

Rectangle

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



13.0563, 0.2603, 0.4460



13.0563, 0.1743, 0.2921



13.0563, 0.3509, 0.2427



13.0563, 0.4733, 0.3328

Sweetspot

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



13.0568, 0.2603, 0.4460



26.9873, 0.2879, 0.3580



13.3212, 0.3325, 0.5629



6.3703, 0.2858, 0.3612



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.



13.0568, 0.2603, 0.4460



22.6989, 0.2621, 0.4636



11.9012, 0.2208, 0.3064



4.1316, 0.3043, 0.3376



14.5041, 0.2614, 0.4609



70.5077, 0.2635, 0.4685

Inverse Universe

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



4.2113, 0.4996, 0.2641



6.8552, 0.5339, 0.2715



4.2308, 0.6018, 0.3390



3.7229, 0.3219, 0.3205



4.3884, 0.5292, 0.2689



21.2257, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 13.0563, 0.2603, 0.4460 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 13.0563, 0.2603, 0.4460 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 13.0563, 0.2603, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 13.0563, 0.2603, 0.4460.



This preview shows how white text looks on a background with the Yxy color 13.0563, 0.2603, 0.4460.

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

13.0563, 0.2603, 0.4460

Protanopia

12.9759, 0.3714, 0.4015

Deuteranopia

12.9510, 0.3739, 0.3691



Tritanopia

12.9760, 0.2333, 0.3069

Trichromacy



Original Color

13.0563, 0.2603, 0.4460



Protanomaly

12.1667, 0.3123, 0.4218



Deuteranomaly

12.0987, 0.3123, 0.3971



Tritanomaly

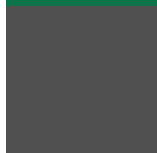
12.8589, 0.2412, 0.3521

Monochromacy



Original Color

13.0563, 0.2603, 0.4460



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

9.1910, 0.2782, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0563, 0.2603, 0.4460 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(11, 116, 74)` looks like.

```
.text, #text, p{  
    color:rgb(11, 116, 74)  
}
```

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(11, 116, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 116, 74) }
```

Border

The CSS property to change the border of an element to Yxy 13.0563, 0.2603, 0.4460 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(11, 116, 74) }
```

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

```
.border{ border-color:rgb(11, 116, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 116, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 116, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 116, 74);  
box-shadow:4px 4px 4px 4px rgb(11, 116,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0563, 0.2603, 0.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 116, 74) }
```

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

```
.background{ background-color: rgb(11, 116,  
74) }
```

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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