

Converting Colors

$Y_{xy}(10.3612, 0.2656, 0.4436)$

Have a look what the booklet for
Yxy(10.3612, 0.2656, 0.4436)
contains.

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Color

Yxy(10.4645, 0.2658, 0.4439)

Conversions

Conversions Part 1

Format	Color
Hex	166842
RGB	22, 104, 66
RGB Percent	9%, 41%, 26%
CMY	0.9134, 0.5922, 0.7412
CMYK	0.79, 0.00, 0.37, 0.59
HSL	152°, 65%, 25%
HSV	152°, 79%, 41%
XYZ	6.2660, 10.4645, 6.8435
YIQ	75.1500, -36.6740, -29.2020

Conversions

Conversions Part 2

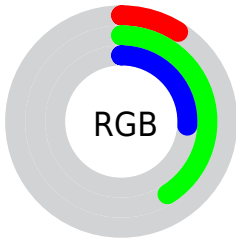
Format	Color
RYB	22, 75, 104
Decimal	1468482
CIELab	38.66, -33.63, 14.73
CIELCh	39, 36.717, 156.351
Yxy	10.4645, 0.2658, 0.4439
Android (android.graphics.Color)	4279658562 (0xFF166842)
YUV	75.1500, -4.5109, -46.6125
Hunter-Lab	32.3489, -22.0351, 10.1012

Details

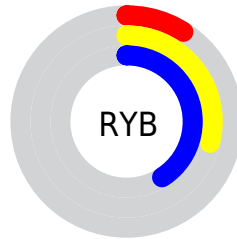
The Yxy color **10.4645, 0.2658, 0.4439** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8474, 0.4445, 0.2509**, and the grayscale version is **7.0827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6973, 0.2803, 0.4105**, and **2.8902, 0.2731, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **10.3147, 0.2657, 0.4610**, and if you desaturate by 10%, it is **10.6676, 0.2677, 0.4267**.

Distribution



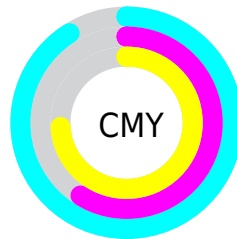
- Red (9%)
- Green (41%)
- Blue (26%)



- Red (9%)
- Yellow (29%)
- Blue (41%)



- Cyan (79%)
- Magenta (0%)
- Yellow (37%)
- Black (59%)




- Cyan (91%)
- Magenta (59%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4645, 0.2658, 0.4439 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 10.4645, 0.2658, 0.4439 by changing the saturation by 10% instead.


 10.4645, 0.2658,
0.4439


 10.4645, 0.2658,
0.4439


193.9559, 0.2968,
0.3687


 5.7080, 0.2532,
0.4739

 26.6656, 0.2799,
0.4100


 2.6684, 0.2318,
0.5241


 38.8790, 0.2842,
0.3996

 0.9611, 0.0849,
0.9014

 54.3468, 0.2875,
0.3915

 0.0000, 0.0000,
0.0000


 73.4534, 0.2901,
0.3851

 96.5832, 0.2922,
0.3799


 124.1207, 0.2940,

0.3755


 156.4501, 0.2955,
0.3719

 10.4645, 0.2658,
0.4439


 10.4645, 0.2658,
0.4439


 10.3147, 0.2657,
0.4610


 10.6676, 0.2677,
0.4267

 10.1973, 0.2666,
0.4778

 10.9281, 0.2713,
0.4098

 10.1830, 0.2667,
0.4799

 11.2510, 0.2763,
0.3936

 11.6402, 0.2825,
0.3782

 12.0997, 0.2896,
0.3638

■ 12.6328, 0.2973,
0.3506

■ 13.2427, 0.3054,
0.3386

■ 13.9325, 0.3138,
0.3277

■ 14.7050, 0.3221,
0.3180

Harmonies

Analogous

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



10.4645, 0.3446, 0.4848



10.4645, 0.2658, 0.4439



10.4645, 0.2042, 0.3559

Triad

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



10.4645, 0.2658, 0.4439



10.4645, 0.2039, 0.2038



10.4645, 0.4754, 0.3508

Complementary

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



10.4645, 0.2658, 0.4439



3.8474, 0.4445, 0.2509

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.



10.4645, 0.4283, 0.2926



10.4645, 0.2658, 0.4439



10.4645, 0.2632, 0.2124

Square

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



10.4645, 0.2658, 0.4439



10.4645, 0.1739, 0.2221



10.4645, 0.3458, 0.2438



10.4645, 0.4692, 0.4116

Rectangle

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



10.4645, 0.2658, 0.4439



10.4645, 0.1800, 0.2974



10.4645, 0.3458, 0.2438



10.4645, 0.4654, 0.3308

Sweetspot

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



10.4649, 0.2658, 0.4439



21.5951, 0.2927, 0.3583



10.9287, 0.3419, 0.5354



5.2098, 0.2907, 0.3619



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.4649, 0.2658, 0.4439



17.9295, 0.2670, 0.4758



10.5302, 0.2292, 0.3213



3.1648, 0.3053, 0.3387



12.5470, 0.2671, 0.4817



65.2612, 0.2698, 0.4911

Inverse Universe

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



3.8474, 0.4445, 0.2509



5.7072, 0.4923, 0.2535



3.6889, 0.5616, 0.3343



2.8656, 0.3208, 0.3195



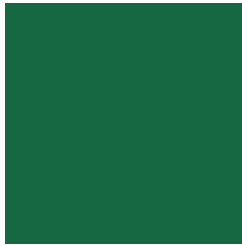
3.8871, 0.5018, 0.2538



20.1000, 0.5151, 0.2611

Previews

White Background



This preview shows how the Yxy color 10.4645, 0.2658, 0.4439 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 10.4645, 0.2658, 0.4439 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 10.4645, 0.2658, 0.4439

Background



This preview shows how black text looks on a background with the Yxy color 10.4645, 0.2658, 0.4439.



This preview shows how white text looks on a background with the Yxy color 10.4645, 0.2658, 0.4439.

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

10.4645, 0.2658, 0.4439

Protanopia

10.4051, 0.3722, 0.4037

Deuteranopia

10.3228, 0.3733, 0.3685



Tritanopia

10.4775, 0.2370, 0.3077

Trichromacy



Original Color

10.4645, 0.2658, 0.4439

Protanomaly

10.0156, 0.3200, 0.4229

Deuteranomaly

9.7542, 0.3189, 0.3942

Tritanomaly

10.4374, 0.2470, 0.3541

Monochromacy



Original Color

10.4645, 0.2658, 0.4439

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.9642, 0.2859, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4645, 0.2658, 0.4439 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(22, 104, 66)` looks like.

```
.text, #text, p{  
    color:rgb(22, 104, 66)  
}
```

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(22, 104, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 104, 66) }
```

Border

The CSS property to change the border of an element to Yxy 10.4645, 0.2658, 0.4439 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(22, 104, 66) }
```

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

```
.border{ border-color:rgb(22, 104, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 104, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 104, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 104, 66);  
box-shadow:4px 4px 4px 4px rgb(22, 104,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4645, 0.2658, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 104, 66) }
```

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

```
.background{ background-color: rgb(22, 104,  
66) }
```

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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