

Converting Colors

$Y_{xy}(10.1279, 0.3223, 0.4115)$

Have a look what the booklet for
Yxy(10.1279, 0.3223, 0.4115)
contains.

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Color

$\text{Yxy}(10.2032, 0.3221, 0.4128)$

Conversions

Conversions Part 1

Format	Color
Hex	4A6041
RGB	74, 96, 65
RGB Percent	29%, 38%, 25%
CMY	0.7098, 0.6235, 0.7451
CMYK	0.23, 0.00, 0.32, 0.62
HSL	103°, 19%, 32%
HSV	103°, 32%, 38%
XYZ	7.9614, 10.2032, 6.5525
YIQ	85.8880, -3.1610, -14.3050

Conversions

Conversions Part 2

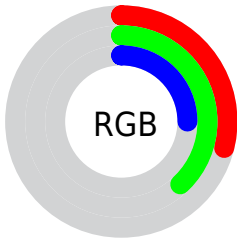
Format	Color
RYB	65, 96, 87
Decimal	4874305
CIELab	38.20, -14.87, 15.08
CIELCh	38, 21.180, 134.599
Yxy	10.2032, 0.3221, 0.4128
Android (android.graphics.Color)	4283064385 (0xFF4A6041)
YUV	85.8880, -10.2978, -10.4258
Hunter-Lab	31.9424, -11.4098, 10.1973

Details

The Yxy color **10.2032, 0.3221, 0.4128** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.6533, 0.2992, 0.2509**, and the grayscale version is **9.3042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2706, 0.3202, 0.3897**, and **2.6003, 0.3224, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **9.8456, 0.3242, 0.4427**, and if you desaturate by 10%, it is **10.6099, 0.3195, 0.3844**.

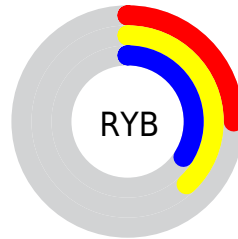
Distribution



Red (29%)

Green (38%)

Blue (25%)



Red (25%)

Yellow (38%)

Blue (34%)

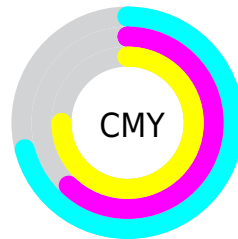


Cyan (23%)

Magenta (0%)

Yellow (32%)

Black (62%)



Cyan (71%)

Magenta (62%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2032, 0.3221, 0.4128 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 10.2032, 0.3221, 0.4128 by changing the saturation by 10% instead.

10.2032, 0.3221,
0.4128

10.2032, 0.3221,
0.4128

192.1163, 0.3172,
0.3589

5.5339, 0.3229,
0.4335

26.1770, 0.3204,
0.3889

2.5638, 0.3229,
0.4673

38.2503, 0.3198,
0.3814

0.9085, 0.3551,
0.6449

53.5604, 0.3192,
0.3756

0.0000, 0.0000,
0.0000

72.4916, 0.3187,
0.3709

95.4284, 0.3182,
0.3671

122.7552, 0.3178,

0.3639

154.8564, 0.3175,
0.3612

■ 10.2032, 0.3221,
0.4128

■ 10.2032, 0.3221,
0.4128

■ 9.8456, 0.3242,
0.4427

■ 10.6099, 0.3195,
0.3844

■ 9.5340, 0.3254,
0.4731

■ 11.0661, 0.3166,
0.3581

■ 9.2667, 0.3257,
0.5029


■ 11.5741, 0.3134,
0.3341


■ 9.0415, 0.3248,
0.5304


■ 12.1354, 0.3103,
0.3125


■ 8.8561, 0.3227,
0.5542


■ 12.7515, 0.3071,
0.2932


 8.7073, 0.3194,
0.5729

 13.4239, 0.3041,
0.2760

 8.6107, 0.3172,
0.5864

 14.1540, 0.3012,
0.2608

 14.9431, 0.2984,
0.2473

 15.7927, 0.2958,
0.2354

Harmonies

Analogous

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



10.2032, 0.3688, 0.4158



10.2032, 0.3221, 0.4128



10.2032, 0.2751, 0.3808

Triad

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



10.2032, 0.3221, 0.4128



10.2032, 0.2293, 0.2595



10.2032, 0.3901, 0.3189

Complementary

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



10.2032, 0.3221, 0.4128



6.6533, 0.2992, 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.



10.2032, 0.3472, 0.2841



10.2032, 0.3221, 0.4128



10.2032, 0.2549, 0.2506

Square

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



10.2032, 0.3221, 0.4128



10.2032, 0.2240, 0.2879



10.2032, 0.2971, 0.2598



10.2032, 0.4104, 0.3579

Rectangle

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



10.2032, 0.3221, 0.4128



10.2032, 0.2497, 0.3491



10.2032, 0.2971, 0.2598



10.2032, 0.3776, 0.3065

Sweetspot

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



10.2036, 0.3221, 0.4128



19.5531, 0.3159, 0.3532



9.6372, 0.3639, 0.3827



4.8343, 0.3162, 0.3556



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.2036, 0.3221, 0.4128



17.3710, 0.3238, 0.4363



9.9478, 0.3006, 0.3983



2.8879, 0.3155, 0.3497



11.9485, 0.3160, 0.5873



63.4286, 0.3123, 0.5902

Inverse Universe

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



6.6533, 0.2992, 0.2509



10.0460, 0.2948, 0.2308



7.0037, 0.3278, 0.2685



2.5946, 0.3097, 0.3086



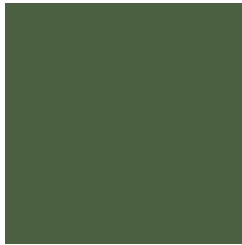
2.8646, 0.2517, 0.1160



14.8377, 0.2475, 0.1137

Previews

White Background



This preview shows how the Yxy color 10.2032, 0.3221, 0.4128 looks on a white background.

Color Contrast Check

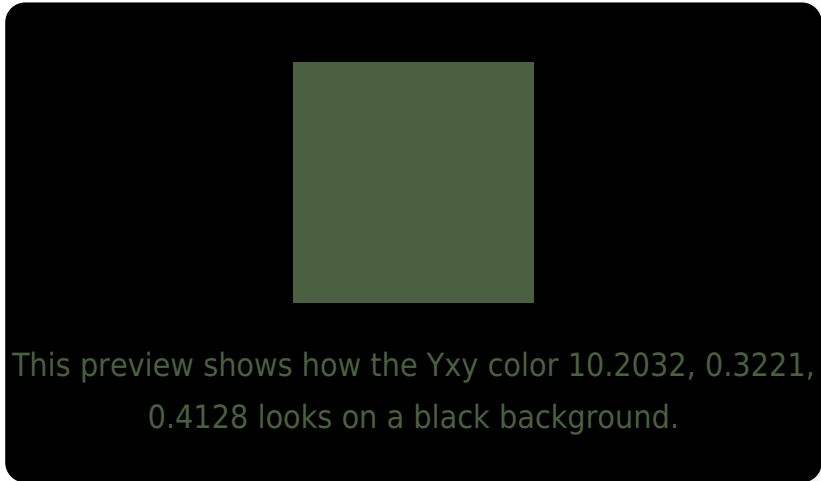
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

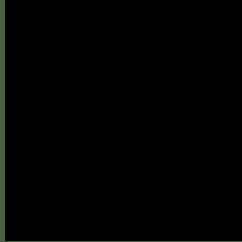
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

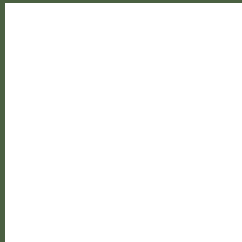
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.2032, 0.3221, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 10.2032, 0.3221, 0.4128.



This preview shows how white text looks on a background with the Yxy color 10.2032, 0.3221, 0.4128.

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

10.2032, 0.3221, 0.4128

Protanopia

10.2015, 0.3681, 0.3972

Deuteranopia

10.1250, 0.3791, 0.3732



Tritanopia

10.2174, 0.2836, 0.3114

Trichromacy



Original Color

10.2032, 0.3221, 0.4128

Protanomaly

10.1370, 0.3513, 0.4027

Deuteranomaly

10.0854, 0.3566, 0.3886

Tritanomaly

10.0946, 0.2968, 0.3446

Monochromacy



Original Color

10.2032, 0.3221, 0.4128

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.6562, 0.3177, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2032, 0.3221, 0.4128 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(74, 96, 65)` looks like.

```
.text, #text, p{  
    color:rgb(74, 96, 65)  
}
```

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(74, 96, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 96, 65) }
```

Border

The CSS property to change the border of an element to Yxy 10.2032, 0.3221, 0.4128 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(74, 96, 65) }
```

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

```
.border{ border-color:rgb(74, 96, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 96, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 96, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 96, 65);  
box-shadow:4px 4px 4px 4px rgb(74, 96, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2032, 0.3221, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 96, 65) }
```

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

```
.background{ background-color: rgb(74, 96,  
65) }
```

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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