

Converting Colors

$Y_{xy}(11.9206, 0.3182, 0.4161)$

Have a look what the booklet for
Yxy(11.9206, 0.3182, 0.4161)
contains.

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Color

Yxy(11.9206, 0.3182, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	4D6846
RGB	77, 104, 70
RGB Percent	30%, 41%, 27%
CMY	0.6980, 0.5921, 0.7256
CMYK	0.26, 0.00, 0.33, 0.59
HSL	108°, 20%, 34%
HSV	108°, 33%, 41%
XYZ	9.1159, 11.9206, 7.6119
YIQ	92.0510, -5.1780, -16.2980

Conversions

Conversions Part 2

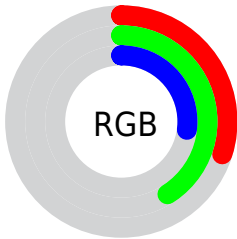
Format	Color
RYB	70, 104, 97
Decimal	5072966
CIELab	41.09, -17.21, 16.04
CIElCh	41, 23.523, 137.006
Yxy	11.9206, 0.3182, 0.4161
Android (android.graphics.Color)	4283263046 (0xFF4D6846)
YUV	92.0510, -10.8711, -13.1997
Hunter-Lab	34.5262, -13.2917, 11.0969

Details

The Yxy color **11.9206, 0.3182, 0.4161** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.9184, 0.3038, 0.2502**, and the grayscale version is **10.7412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2866, 0.3176, 0.3908**, and **3.2921, 0.3163, 0.4701** is the 20% darker color. If you saturate the color by 10%, you get **11.4791, 0.3191, 0.4471**, and if you desaturate by 10%, it is **12.4295, 0.3168, 0.3867**.

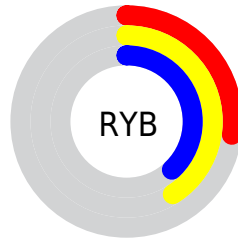
Distribution



Red (30%)

Green (41%)

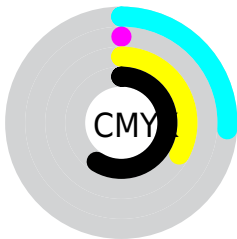
Blue (27%)



Red (27%)

Yellow (41%)

Blue (38%)

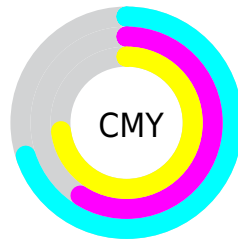


Cyan (26%)

Magenta (0%)

Yellow (33%)

Black (59%)



Cyan (70%)


Magenta (59%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9206, 0.3182, 0.4161 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 11.9206, 0.3182, 0.4161 by changing the saturation by 10% instead.


 11.9206, 0.3182,
0.4161


 11.9206, 0.3182,
0.4161


203.8789, 0.3159,
0.3610


 6.6896, 0.3180,
0.4364


 29.3504, 0.3177,
0.3921


 3.2688, 0.3166,
0.4688

 42.3180, 0.3174,
0.3844

 1.2736, 0.3341,
0.5696

 58.6334, 0.3171,
0.3784

 0.1206, 0.0000,
1.0000

 78.6808, 0.3168,
0.3735

 0.0000, 0.0000,
0.0000

 102.8446, 0.3165,
0.3696

131.5093, 0.3163,

0.3662

165.0593, 0.3161,
0.3634

■ 11.9206, 0.3182,
0.4161

■ 11.9206, 0.3182,
0.4161

■ 11.4791, 0.3191,
0.4471

■ 12.4295, 0.3168,
0.3867

■ 11.1006, 0.3193,
0.4789

■ 13.0068, 0.3151,
0.3597

■ 10.7827, 0.3187,
0.5098


■ 13.6557, 0.3132,
0.3352


■ 10.5220, 0.3172,
0.5382

■ 14.3783, 0.3113,
0.3133

■ 10.3151, 0.3148,
0.5621

■ 15.1770, 0.3093,
0.2939


 10.1574, 0.3117,
0.5803

 16.0540, 0.3073,
0.2768

 10.0657, 0.3100,
0.5921

 17.0112, 0.3054,
0.2617

 18.0508, 0.3036,
0.2485

 19.1745, 0.3018,
0.2369

Harmonies

Analogous

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



11.9206, 0.3679, 0.4214



11.9206, 0.3182, 0.4161



11.9206, 0.2694, 0.3800

Triad

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



11.9206, 0.3182, 0.4161



11.9206, 0.2265, 0.2544



11.9206, 0.3971, 0.3214

Complementary

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



11.9206, 0.3182, 0.4161



7.9184, 0.3038, 0.2502

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.



11.9206, 0.3532, 0.2845



11.9206, 0.3182, 0.4161



11.9206, 0.2548, 0.2468

Square

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



11.9206, 0.3182, 0.4161



11.9206, 0.2192, 0.2823



11.9206, 0.3003, 0.2580



11.9206, 0.4161, 0.3622

Rectangle

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



11.9206, 0.3182, 0.4161



11.9206, 0.2437, 0.3458



11.9206, 0.3003, 0.2580



11.9206, 0.3846, 0.3083

Sweetspot

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



11.9211, 0.3182, 0.4161



23.0826, 0.3147, 0.3535



11.8669, 0.3634, 0.3901



5.6039, 0.3149, 0.3561



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.



11.9211, 0.3182, 0.4161



20.3293, 0.3189, 0.4389



11.7764, 0.2969, 0.3925



3.1673, 0.3144, 0.3500



12.3947, 0.3094, 0.5926



64.3304, 0.3065, 0.5949

Inverse Universe

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



7.9184, 0.3038, 0.2502



12.1608, 0.3010, 0.2319



8.1362, 0.3335, 0.2731



2.8620, 0.3108, 0.3085



3.4604, 0.2713, 0.1268



17.6694, 0.2683, 0.1252

Previews

White Background



This preview shows how the Yxy color 11.9206, 0.3182, 0.4161 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 11.9206, 0.3182, 0.4161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

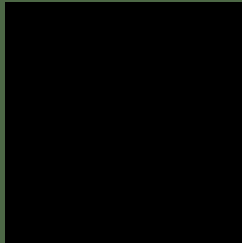
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9206, 0.3182, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 11.9206, 0.3182, 0.4161.



This preview shows how white text looks on a background with the Yxy color 11.9206, 0.3182, 0.4161.

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

11.9206, 0.3182, 0.4161

Protanopia

11.8977, 0.3675, 0.3976

Deuteranopia

11.8740, 0.3795, 0.3747



Tritanopia

11.8242, 0.2801, 0.3101

Trichromacy



Original Color

11.9206, 0.3182, 0.4161

Protanomaly

11.9114, 0.3480, 0.4057

Deuteranomaly

11.7710, 0.3567, 0.3896

Tritanomaly

11.8648, 0.2937, 0.3461

Monochromacy



Original Color

11.9206, 0.3182, 0.4161

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.0321, 0.3159, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9206, 0.3182, 0.4161 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(77, 104, 70)` looks like.

```
.text, #text, p{  
    color:rgb(77, 104, 70)  
}
```

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(77, 104, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 104, 70) }
```

Border

The CSS property to change the border of an element to Yxy 11.9206, 0.3182, 0.4161 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(77, 104, 70) }
```

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

```
.border{ border-color:rgb(77, 104, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 104, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 104, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 104, 70);  
box-shadow:4px 4px 4px 4px rgb(77, 104,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9206, 0.3182, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 104, 70) }
```

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

```
.background{ background-color: rgb(77, 104,  
70) }
```

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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