

Converting Colors

$Y_{xy}(18.2391, 0.3382, 0.4224)$

Have a look what the booklet for
Yxy(18.2391, 0.3382, 0.4224)
contains.

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Color

Yxy(18.2497, 0.3381, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	697D50
RGB	105, 125, 80
RGB Percent	41%, 49%, 31%
CMY	0.5884, 0.5098, 0.6863
CMYK	0.16, 0.00, 0.36, 0.51
HSL	87°, 22%, 40%
HSV	87°, 36%, 49%
XYZ	14.6041, 18.2497, 10.3408
YIQ	113.8900, 2.5250, -18.2350

Conversions

Conversions Part 2

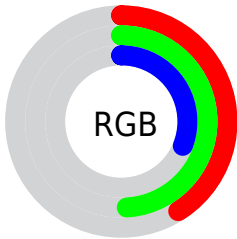
Format	Color
RYB	80, 125, 100
Decimal	6913360
CIELab	49.80, -15.81, 22.20
CIELCh	50, 27.249, 125.458
Yxy	18.2497, 0.3381, 0.4225
Android (android.graphics.Color)	4285103440 (0xFF697D50)
YUV	113.8900, -16.7078, -7.7965
Hunter-Lab	42.7197, -13.7377, 15.5520

Details

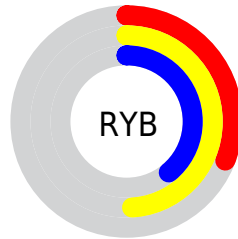
The Yxy color **18.2497, 0.3381, 0.4225** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.9290, 0.2786, 0.2339**, and the grayscale version is **16.8415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6206, 0.3330, 0.3996**, and **6.1542, 0.3461, 0.4671** is the 20% darker color. If you saturate the color by 10%, you get **17.7566, 0.3439, 0.4506**, and if you desaturate by 10%, it is **18.8009, 0.3315, 0.3948**.

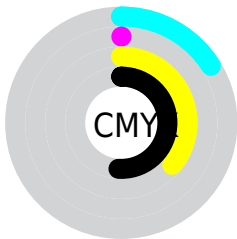
Distribution



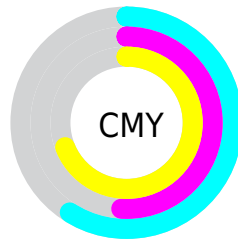
- Red (41%)
- Green (49%)
- Blue (31%)



- Red (31%)
- Yellow (49%)
- Blue (39%)



- Cyan (16%)
- Magenta (0%)
- Yellow (36%)
- Black (51%)





- Cyan (59%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2497, 0.3381, 0.4225 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 18.2497, 0.3381, 0.4225 by changing the saturation by 10% instead.


 18.2497, 0.3381,
0.4225


 18.2497, 0.3381,
0.4225


242.2747, 0.3247,
0.3669


 11.1294, 0.3413,
0.4404


 40.4623, 0.3332,
0.3996


 6.1539, 0.3450,
0.4663

 56.3235, 0.3313,
0.3919

 2.9389, 0.3486,
0.5073

 75.8670, 0.3298,
0.3857

 1.0999, 0.3697,
0.6303

 99.4774, 0.3284,
0.3806

 0.0000, 0.0000,
0.0000

 127.5390, 0.3273,
0.3763

160.4361, 0.3263,

0.3727

198.5532, 0.3254,
0.3696

■ 18.2497, 0.3381,
0.4225

■ 18.2497, 0.3381,
0.4225

■ 17.7566, 0.3439,
0.4506

■ 18.8009, 0.3315,
0.3948

■ 17.3168, 0.3484,
0.4780

■ 19.4099, 0.3244,
0.3682

■ 16.9286, 0.3513,
0.5035


■ 20.0795, 0.3171,
0.3432


■ 16.5893, 0.3522,
0.5259


■ 20.8118, 0.3098,
0.3200


■ 16.2955, 0.3510,
0.5441

■ 21.6084, 0.3028,
0.2988


 16.0422, 0.3478,
0.5578

 22.4713, 0.2961,
0.2796

 15.9481, 0.3465,
0.5631

 23.4020, 0.2897,
0.2623

 24.4022, 0.2838,
0.2468

 25.4734, 0.2782,
0.2329

Harmonies

Analogous

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



18.2497, 0.3846, 0.4159



18.2497, 0.3381, 0.4225



18.2497, 0.2870, 0.3973

Triad

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



18.2497, 0.3381, 0.4225



18.2497, 0.2207, 0.2624



18.2497, 0.3828, 0.3062

Complementary

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



18.2497, 0.3381, 0.4225



9.9290, 0.2786, 0.2339

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.



18.2497, 0.3330, 0.2724



18.2497, 0.3381, 0.4225



18.2497, 0.2413, 0.2470

Square

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



18.2497, 0.3381, 0.4225



18.2497, 0.2219, 0.2981



18.2497, 0.2810, 0.2513



18.2497, 0.4129, 0.3465

Rectangle

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



18.2497, 0.3381, 0.4225



18.2497, 0.2573, 0.3662



18.2497, 0.2810, 0.2513



18.2497, 0.3675, 0.2939

Sweetspot

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



18.2505, 0.3381, 0.4225



35.3064, 0.3209, 0.3561



13.9590, 0.3804, 0.3683



8.0019, 0.3217, 0.3588



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.2505, 0.3381, 0.4225



31.9578, 0.3428, 0.4450



17.0881, 0.3113, 0.4307



4.9271, 0.3194, 0.3507



16.6375, 0.3464, 0.5632



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.9290, 0.2786, 0.2339



14.7898, 0.2688, 0.2104



11.3557, 0.3120, 0.2427



4.2981, 0.3056, 0.3072



2.4086, 0.1952, 0.0849



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.2497, 0.3381, 0.4225 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 18.2497, 0.3381, 0.4225 looks on a black 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

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

Yxy 18.2497, 0.3381, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 18.2497, 0.3381, 0.4225.



This preview shows how white text looks on a background with the Yxy color 18.2497, 0.3381, 0.4225.

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

18.2497, 0.3381, 0.4225

Protanopia

18.0819, 0.3763, 0.4070

Deuteranopia

18.0975, 0.3905, 0.3830



Tritanopia

18.2234, 0.2930, 0.3097

Trichromacy



Original Color

18.2497, 0.3381, 0.4225

Protanomaly

18.2179, 0.3622, 0.4135

Deuteranomaly

17.9210, 0.3709, 0.3959

Tritanomaly

18.0737, 0.3093, 0.3491

Monochromacy



Original Color

18.2497, 0.3381, 0.4225

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.2957, 0.3227, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2497, 0.3381, 0.4225 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(105, 125, 80)` looks like.

```
.text, #text, p{  
    color:rgb(105, 125, 80)  
}
```

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(105, 125, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 125, 80) }
```

Border

The CSS property to change the border of an element to Yxy 18.2497, 0.3381, 0.4225 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(105, 125, 80) }
```

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

```
.border{ border-color:rgb(105, 125, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 125, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 125, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 125, 80);  
box-shadow:4px 4px 4px 4px rgb(105, 125,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2497, 0.3381, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 125, 80) }
```

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

```
.background{ background-color: rgb(105,  
125, 80) }
```

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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