

Converting Colors

$Y_{xy}(18.1975, 0.3413, 0.4175)$

Have a look what the booklet for
Yxy(18.1975, 0.3413, 0.4175)
contains.

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Color

Yxy(18.1975, 0.3413, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	6C7C51
RGB	108, 124, 81
RGB Percent	42%, 49%, 32%
CMY	0.5765, 0.5137, 0.6823
CMYK	0.13, 0.00, 0.35, 0.51
HSL	82°, 21%, 40%
HSV	82°, 35%, 49%
XYZ	14.8762, 18.1975, 10.5131
YIQ	114.3140, 4.2670, -16.7650

Conversions

Conversions Part 2

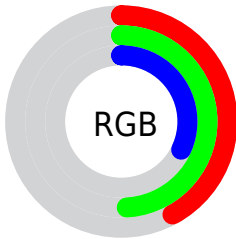
Format	Color
R_{YB}	81, 124, 97
Decimal	7109713
CIE Lab	49.73, -13.88, 21.58
CIE LCh	50, 25.663, 122.752
Yxy	18.1975, 0.3413, 0.4175
Android (android.graphics.Color)	4285299793 (0xFF6C7C51)
YUV	114.3140, -16.4238, -5.5374
Hunter-Lab	42.6585, -12.4046, 15.2490

Details

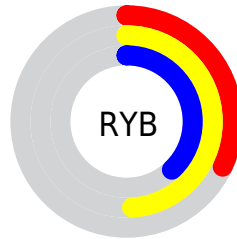
The Yxy color $18.1975, 0.3413, 0.4175$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $9.8830, 0.2756, 0.2366$, and the grayscale version is $16.9757, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.5566, 0.3352, 0.3962$, and $6.1142, 0.3516, 0.4590$ is the 20% darker color. If you saturate the color by 10%, you get $17.7470, 0.3484, 0.4447$, and if you desaturate by 10%, it is $18.6989, 0.3334, 0.3906$.

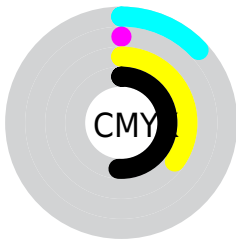
Distribution



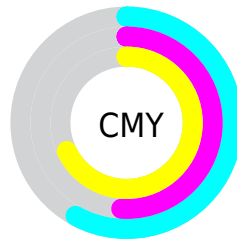
- Red (42%)
- Green (49%)
- Blue (32%)



- Red (32%)
- Yellow (49%)
- Blue (38%)



- Cyan (13%)
- Magenta (0%)
- Yellow (35%)
- Black (51%)



- Cyan (58%)
- Magenta (51%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1975, 0.3413, 0.4175 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 18.1975, 0.3413, 0.4175 by changing the saturation by 10% instead.

18.1975, 0.3413,
0.4175

18.1975, 0.3413,
0.4175

241.9819, 0.3259,
0.3650

11.0919, 0.3453,
0.4343

40.3736, 0.3355,
0.3960

6.1287, 0.3501,
0.4586

56.2128, 0.3334,
0.3887

2.9235, 0.3556,
0.4967

75.7320, 0.3316,
0.3828

1.0919, 0.3856,
0.6144

99.3157, 0.3301,
0.3780

0.0000, 0.0000,
0.0000

127.3481, 0.3288,
0.3739

160.2136, 0.3277,

0.3705

198.2968, 0.3267,
0.3676

■ 18.1975, 0.3413,
0.4175

■ 18.1975, 0.3413,
0.4175

■ 17.7470, 0.3484,
0.4447

■ 18.6989, 0.3334,
0.3906

■ 17.3429, 0.3543,
0.4711

■ 19.2508, 0.3251,
0.3645

■ 16.9838, 0.3586,
0.4956

■ 19.8558, 0.3166,
0.3399

■ 16.6672, 0.3609,
0.5172

■ 20.5157, 0.3083,
0.3171

■ 16.3902, 0.3609,
0.5348

■ 21.2319, 0.3003,
0.2960

■ 16.1488, 0.3588,
0.5479

■ 22.0062, 0.2927,
0.2769

■ 16.0288, 0.3575,
0.5544

■ 22.8399, 0.2855,
0.2595

■ 23.7346, 0.2788,
0.2439

■ 24.6915, 0.2726,
0.2299

Harmonies

Analogous

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



18.1975, 0.3841, 0.4094



18.1975, 0.3413, 0.4175



18.1975, 0.2929, 0.3964

Triad

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



18.1975, 0.3413, 0.4175



18.1975, 0.2247, 0.2685



18.1975, 0.3750, 0.3043

Complementary

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



18.1975, 0.3413, 0.4175



9.8830, 0.2756, 0.2366

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.



18.1975, 0.3274, 0.2730



18.1975, 0.3413, 0.4175



18.1975, 0.2425, 0.2519

Square

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



18.1975, 0.3413, 0.4175



18.1975, 0.2278, 0.3040



18.1975, 0.2789, 0.2542



18.1975, 0.4057, 0.3424

Rectangle

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



18.1975, 0.3413, 0.4175



18.1975, 0.2640, 0.3684



18.1975, 0.2789, 0.2542



18.1975, 0.3603, 0.2928

Sweetspot

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



18.1983, 0.3413, 0.4175



34.3347, 0.3213, 0.3534



13.3866, 0.3791, 0.3611



8.0575, 0.3223, 0.3563



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.



18.1983, 0.3413, 0.4175



31.3551, 0.3473, 0.4401



17.0244, 0.3147, 0.4253



4.5629, 0.3203, 0.3505



16.2917, 0.3574, 0.5544



77.2160, 0.3543, 0.5568

Inverse Universe

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



9.8830, 0.2756, 0.2366



14.2938, 0.2643, 0.2117



11.2112, 0.3077, 0.2448



3.9595, 0.3046, 0.3073



2.0728, 0.1833, 0.0784



9.4379, 0.1783, 0.0756

Previews

White Background



This preview shows how the Yxy color 18.1975, 0.3413, 0.4175 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 18.1975, 0.3413, 0.4175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

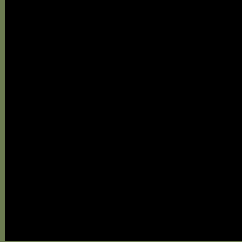
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1975, 0.3413, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 18.1975, 0.3413, 0.4175.



This preview shows how white text looks on a background with the Yxy color 18.1975, 0.3413, 0.4175.

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

18.1975, 0.3413, 0.4175

Protanopia

18.1106, 0.3739, 0.4033

Deuteranopia

18.0102, 0.3891, 0.3833



Tritanopia

18.0928, 0.2964, 0.3098

Trichromacy



Original Color

18.1975, 0.3413, 0.4175

Protanomaly

18.0771, 0.3618, 0.4075

Deuteranomaly

17.9210, 0.3709, 0.3959

Tritanomaly

18.0254, 0.3131, 0.3469

Monochromacy



Original Color

18.1975, 0.3413, 0.4175

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3609, 0.3240, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1975, 0.3413, 0.4175 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(108, 124, 81)` looks like.

```
.text, #text, p{  
    color:rgb(108, 124, 81)  
}
```

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(108, 124, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 124, 81) }
```

Border

The CSS property to change the border of an element to Yxy 18.1975, 0.3413, 0.4175 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(108, 124, 81) }
```

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

```
.border{ border-color:rgb(108, 124, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 124, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 124, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 124, 81);  
box-shadow:4px 4px 4px 4px rgb(108, 124,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1975, 0.3413, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 124, 81) }
```

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

```
.background{ background-color: rgb(108,  
124, 81) }
```

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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