

Converting Colors

$Y_{xy}(18.6517, 0.3307, 0.3978)$

Have a look what the booklet for
Yxy(18.6517, 0.3307, 0.3978)
contains.

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Color

Yxy(18.6738, 0.3312, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	6D7D5B
RGB	109, 125, 91
RGB Percent	43%, 49%, 36%
CMY	0.5726, 0.5098, 0.6432
CMYK	0.13, 0.00, 0.27, 0.51
HSL	88°, 16%, 42%
HSV	88°, 27%, 49%
XYZ	15.5279, 18.6738, 12.6821
YIQ	116.3400, 1.3780, -13.9660

Conversions

Conversions Part 2

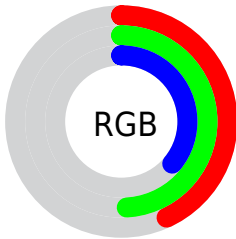
Format	Color
R_{YB}	91, 125, 107
Decimal	7175515
CIE Lab	50.30, -12.46, 16.64
CIE LCh	50, 20.788, 126.811
Yxy	18.6738, 0.3312, 0.3983
Android (android.graphics.Color)	4285365595 (0xFF6D7D5B)
YUV	116.3400, -12.4926, -6.4372
Hunter-Lab	43.2132, -11.4823, 12.8490

Details

The Yxy color **18.6738, 0.3312, 0.3983** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.0882, 0.2897, 0.2593**, and the grayscale version is **17.6137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3409, 0.3278, 0.3825**, and **6.3504, 0.3371, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **18.1158, 0.3373, 0.4263**, and if you desaturate by 10%, it is **19.2944, 0.3245, 0.3714**.

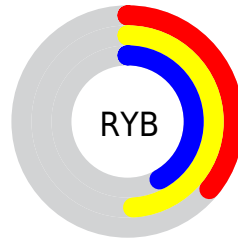
Distribution



Red (43%)

Green (49%)

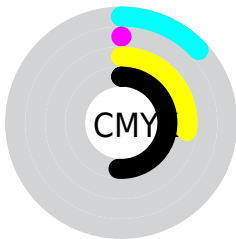
Blue (36%)



Red (36%)

Yellow (49%)

Blue (42%)

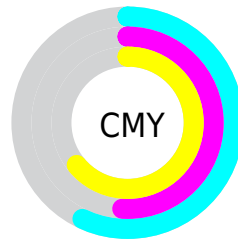


Cyan (13%)

Magenta (0%)

Yellow (27%)

Black (51%)



Cyan (57%)


Magenta (51%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6738, 0.3312, 0.3983 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 18.6738, 0.3312, 0.3983 by changing the saturation by 10% instead.


 18.6738, 0.3312,
0.3983

 18.6738, 0.3312,
0.3983


244.6420, 0.3212,
0.3574


 11.4348, 0.3338,
0.4114


 41.1822, 0.3274,
0.3815


 6.3601, 0.3372,
0.4304


 57.2203, 0.3260,
0.3759

 3.0653, 0.3412,
0.4604

 76.9604, 0.3249,
0.3713

 1.1659, 0.3854,
0.5759

 100.7866, 0.3239,
0.3675

 0.0336, 0.0000,
1.0000

129.0835, 0.3231,
0.3644

 0.0000, 0.0000,
0.0000

162.2354, 0.3224,

0.3617

200.6268, 0.3217,
0.3594

■ 18.6738, 0.3312,
0.3983

■ 18.6738, 0.3312,
0.3983

■ 18.1158, 0.3373,
0.4263

■ 19.2944, 0.3245,
0.3714

■ 17.6156, 0.3426,
0.4547

■ 19.9773, 0.3177,
0.3461

■ 17.1716, 0.3465,
0.4823

■ 20.7252, 0.3108,
0.3227

■ 16.7813, 0.3488,
0.5080

■ 21.5401, 0.3041,
0.3013

■ 16.4416, 0.3491,
0.5304

■ 22.4238, 0.2977,
0.2819

■ 16.1494, 0.3474,
0.5485

■ 23.3781, 0.2916,
0.2645

■ 15.8980, 0.3439,
0.5622

■ 24.4046, 0.2859,
0.2489

■ 15.8323, 0.3429,
0.5660

■ 25.5050, 0.2806,
0.2349

■ 26.6809, 0.2756,
0.2224

Harmonies

Analogous

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



18.6738, 0.3667, 0.3960



18.6738, 0.3312, 0.3983



18.6738, 0.2921, 0.3783

Triad

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



18.6738, 0.3312, 0.3983



18.6738, 0.2418, 0.2776



18.6738, 0.3671, 0.3133

Complementary

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



18.6738, 0.3312, 0.3983



12.0882, 0.2897, 0.2593

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.



18.6738, 0.3303, 0.2862



18.6738, 0.3312, 0.3983



18.6738, 0.2589, 0.2655

Square

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



18.6738, 0.3312, 0.3983



18.6738, 0.2421, 0.3050



18.6738, 0.2906, 0.2690



18.6738, 0.3889, 0.3452

Rectangle

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



18.6738, 0.3312, 0.3983



18.6738, 0.2694, 0.3553



18.6738, 0.2906, 0.2690



18.6738, 0.3560, 0.3035

Sweetspot

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



18.6746, 0.3312, 0.3983



35.6456, 0.3184, 0.3485



15.6031, 0.3602, 0.3605



8.0709, 0.3193, 0.3517



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.



18.6746, 0.3312, 0.3983



32.7673, 0.3353, 0.4167



17.7057, 0.3106, 0.4029



4.9220, 0.3190, 0.3508



16.5186, 0.3427, 0.5661



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.0882, 0.2897, 0.2593



18.7881, 0.2828, 0.2406



13.2376, 0.3141, 0.2642



4.3032, 0.3060, 0.3072



2.5067, 0.1998, 0.0874



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6738, 0.3312, 0.3983 looks on a white 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

Black Background



This preview shows how the Yxy color 18.6738, 0.3312, 0.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

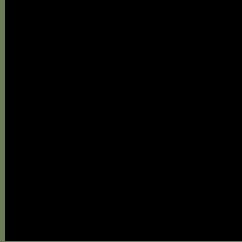
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

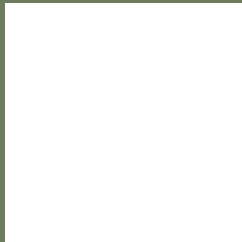
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6738, 0.3312, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 18.6738, 0.3312, 0.3983.



This preview shows how white text looks on a background with the Yxy color 18.6738, 0.3312, 0.3983.

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

18.6738, 0.3312, 0.3983

Protanopia

18.4874, 0.3623, 0.3881

Deuteranopia

18.6272, 0.3747, 0.3688



Tritanopia

18.6895, 0.2955, 0.3100

Trichromacy



Original Color

18.6738, 0.3312, 0.3983

Protanomaly

18.4610, 0.3506, 0.3917

Deuteranomaly

18.6335, 0.3587, 0.3802

Tritanomaly

18.6907, 0.3085, 0.3408

Monochromacy



Original Color

18.6738, 0.3312, 0.3983

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7659, 0.3192, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6738, 0.3312, 0.3983 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(109, 125, 91)` looks like.

```
.text, #text, p{  
    color:rgb(109, 125, 91)  
}
```

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(109, 125, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 125, 91) }
```

Border

The CSS property to change the border of an element to Yxy 18.6738, 0.3312, 0.3983 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(109, 125, 91) }
```

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

```
.border{ border-color:rgb(109, 125, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 125, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 125, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 125, 91);  
box-shadow:4px 4px 4px 4px rgb(109, 125,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6738, 0.3312, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 125, 91) }
```

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

```
.background{ background-color: rgb(109,  
125, 91) }
```

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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