

Converting Colors

$Yxy(16.9504, 0.3089, 0.3994)$

Have a look what the booklet for
Yxy(16.9504, 0.3089, 0.3994)
contains.

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Color

Yxy(16.8481, 0.3083, 0.3976)

Conversions

Conversions Part 1

Format	Color
Hex	5A7A5B
RGB	90, 122, 91
RGB Percent	35%, 48%, 36%
CMY	0.6471, 0.5216, 0.6431
CMYK	0.26, 0.00, 0.25, 0.52
HSL	122°, 15%, 42%
HSV	122°, 26%, 48%
XYZ	13.0641, 16.8481, 12.4623
YIQ	108.8980, -9.1210, -16.4250

Conversions

Conversions Part 2

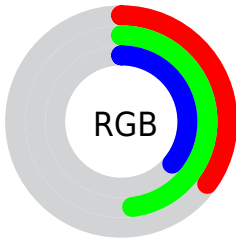
Format	Color
R_{YB}	90, 121, 122
Decimal	5929563
CIE Lab	48.07, -18.12, 13.36
CIE LCh	48, 22.509, 143.601
Yxy	16.8481, 0.3083, 0.3976
Android (android.graphics.Color)	4284119643 (0xFF5A7A5B)
YUV	108.8980, -8.8237, -16.5735
Hunter-Lab	41.0464, -15.0192, 10.7311

Details

The Yxy color **16.8481, 0.3083, 0.3976** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.8294, 0.3171, 0.2688**, and the grayscale version is **15.2900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2458, 0.3103, 0.3813**, and **5.4681, 0.3044, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **16.0983, 0.3065, 0.4289**, and if you desaturate by 10%, it is **17.7318, 0.3101, 0.3690**.

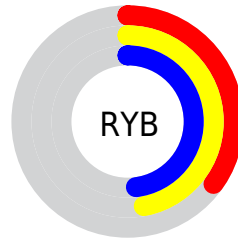
Distribution



Red (35%)

Green (48%)

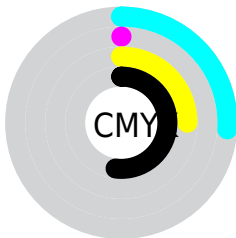
Blue (36%)



Red (35%)

Yellow (47%)

Blue (48%)

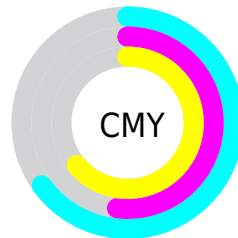


Cyan (26%)

Magenta (0%)

Yellow (25%)

Black (52%)



Cyan (65%)

Magenta (52%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8481, 0.3083, 0.3976 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 16.8481, 0.3083, 0.3976 by changing the saturation by 10% instead.


 16.8481, 0.3083,
0.3976

 16.8481, 0.3083,
0.3976


234.2955, 0.3116,
0.3562


 10.1262, 0.3068,
0.4115


 38.0644, 0.3099,
0.3803


 5.4827, 0.3042,
0.4323

 53.3277, 0.3104,
0.3745

 2.5332, 0.2989,
0.4668

 72.2069, 0.3107,
0.3699

 0.8932, 0.3038,
0.6673

 95.0864, 0.3110,
0.3662

 0.0000, 0.0000,
0.0000

 122.3506, 0.3112,
0.3631

154.3839, 0.3113,

0.3604

191.5708, 0.3115,
0.3581

■ 16.8481, 0.3083,
0.3976

■ 16.8481, 0.3083,
0.3976

■ 16.0983, 0.3065,
0.4289

■ 17.7318, 0.3101,
0.3690

■ 15.4740, 0.3046,
0.4620

■ 18.7534, 0.3117,
0.3434

■ 14.9689, 0.3029,
0.4954

■ 19.9190, 0.3133,
0.3209

■ 14.5754, 0.3015,
0.5273

■ 21.2340, 0.3147,
0.3012

■ 14.2850, 0.3004,
0.5553

■ 22.7035, 0.3159,
0.2842

■ 14.0882, 0.2997,
0.5773

■ 24.3321, 0.3170,
0.2695

■ 13.9678, 0.2994,
0.5920

■ 26.1245, 0.3180,
0.2569

■ 13.9285, 0.2991,
0.5967

■ 28.0851, 0.3189,
0.2460

■ 30.2181, 0.3197,
0.2365

Harmonies

Analogous

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



16.8481, 0.3518, 0.4088



16.8481, 0.3083, 0.3976



16.8481, 0.2679, 0.3631

Triad

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



16.8481, 0.3083, 0.3976



16.8481, 0.2422, 0.2619



16.8481, 0.3902, 0.3308

Complementary

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



16.8481, 0.3083, 0.3976



12.8294, 0.3171, 0.2688

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.



16.8481, 0.3568, 0.2971



16.8481, 0.3083, 0.3976



16.8481, 0.2707, 0.2586

Square

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



16.8481, 0.3083, 0.3976



16.8481, 0.2316, 0.2828



16.8481, 0.3122, 0.2715



16.8481, 0.4010, 0.3661

Rectangle

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



16.8481, 0.3083, 0.3976



16.8481, 0.2477, 0.3339



16.8481, 0.3122, 0.2715



16.8481, 0.3812, 0.3190

Sweetspot

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



16.8488, 0.3083, 0.3976



32.6195, 0.3114, 0.3482



18.7571, 0.3497, 0.3914



7.4043, 0.3112, 0.3513



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.8488, 0.3083, 0.3976



28.8845, 0.3073, 0.4145



17.1451, 0.2918, 0.3624



4.4518, 0.3113, 0.3503



14.6632, 0.2991, 0.5968



69.9213, 0.2996, 0.5987

Inverse Universe

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



12.8294, 0.3171, 0.2688



20.6545, 0.3181, 0.2562



12.4787, 0.3404, 0.2979



4.0754, 0.3141, 0.3085



5.7366, 0.3287, 0.1584



27.3392, 0.3291, 0.1587

Previews

White Background



This preview shows how the Yxy color 16.8481, 0.3083, 0.3976 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 16.8481, 0.3083, 0.3976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

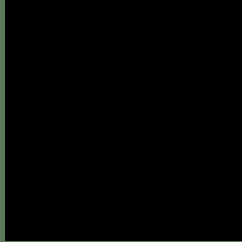
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8481, 0.3083, 0.3976

Background



This preview shows how black text looks on a background with the Yxy color 16.8481, 0.3083, 0.3976.



This preview shows how white text looks on a background with the Yxy color 16.8481, 0.3083, 0.3976.

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

16.8481, 0.3083, 0.3976

Protanopia

16.8603, 0.3577, 0.3826

Deuteranopia

16.6510, 0.3652, 0.3576



Tritanopia

16.7417, 0.2767, 0.3085

Trichromacy



Original Color

16.8481, 0.3083, 0.3976

Protanomaly

16.7422, 0.3385, 0.3894

Deuteranomaly

16.6068, 0.3430, 0.3716

Tritanomaly

16.7882, 0.2882, 0.3395

Monochromacy



Original Color

16.8481, 0.3083, 0.3976

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.8187, 0.3115, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8481, 0.3083, 0.3976 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(90, 122, 91)` looks like.

```
.text, #text, p{  
    color:rgb(90, 122, 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(90, 122, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 122, 91) }
```

Border

The CSS property to change the border of an element to Yxy 16.8481, 0.3083, 0.3976 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(90, 122, 91) }
```

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

```
.border{ border-color:rgb(90, 122, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 122, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 122, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 122, 91);  
box-shadow:4px 4px 4px 4px rgb(90, 122,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8481, 0.3083, 0.3976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 122, 91) }
```

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

```
.background{ background-color: rgb(90, 122,  
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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