

Converting Colors

$Yxy(18.0166, 0.3094, 0.4349)$

Have a look what the booklet for
Yxy(18.0166, 0.3094, 0.4349)
contains.

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Color

Yxy(18.1336, 0.3099, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	538151
RGB	83, 129, 81
RGB Percent	33%, 51%, 32%
CMY	0.6744, 0.4941, 0.6824
CMYK	0.36, 0.00, 0.37, 0.49
HSL	117°, 23%, 41%
HSV	117°, 37%, 51%
XYZ	12.9038, 18.1336, 10.6012
YIQ	109.7740, -12.0080, -24.6800

Conversions

Conversions Part 2

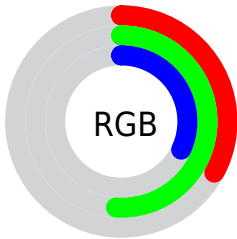
Format	Color
RYB	81, 129, 127
Decimal	5472593
CIELab	49.66, -26.03, 21.19
CIElCh	50, 33.567, 140.846
Yxy	18.1336, 0.3099, 0.4355
Android (android.graphics.Color)	4283662673 (0xFF538151)
YUV	109.7740, -14.1856, -23.4808
Hunter-Lab	42.5836, -20.4317, 15.0482

Details

The Yxy color **18.1336, 0.3099, 0.4355** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.9763, 0.3137, 0.2401**, and the grayscale version is **15.5701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1629, 0.3115, 0.4080**, and **6.0534, 0.3038, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **17.4460, 0.3087, 0.4695**, and if you desaturate by 10%, it is **18.9596, 0.3109, 0.4031**.

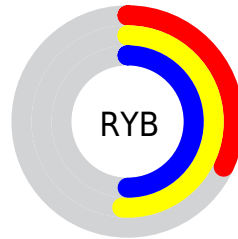
Distribution



Red (33%)

Green (51%)

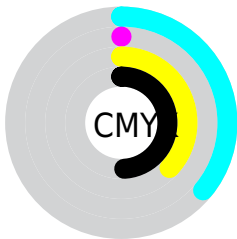
Blue (32%)



Red (32%)

Yellow (51%)

Blue (50%)

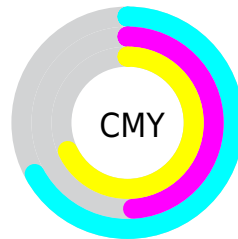


Cyan (36%)

Magenta (0%)

Yellow (37%)

Black (49%)



Cyan (67%)


Magenta (49%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1336, 0.3099, 0.4355 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 18.1336, 0.3099, 0.4355 by changing the saturation by 10% instead.


 18.1336, 0.3099,
0.4355

 18.1336, 0.3099,
0.4355


241.6230, 0.3132,
0.3711


 11.0459, 0.3077,
0.4569


 40.2648, 0.3119,
0.4086


 6.0977, 0.3035,
0.4888

 56.0772, 0.3124,
0.3996


 2.9046, 0.2944,
0.5404

 75.5666, 0.3127,
0.3925

 1.0821, 0.2603,
0.7397

 99.1175, 0.3129,
0.3866

 0.0000, 0.0000,
0.0000

 127.1141, 0.3130,
0.3818

159.9410, 0.3131,

0.3777

197.9825, 0.3132,
0.3741

■ 18.1336, 0.3099,
0.4355

■ 18.1336, 0.3099,
0.4355

■ 17.4460, 0.3087,
0.4695

■ 18.9596, 0.3109,
0.4031

■ 16.8872, 0.3072,
0.5034

■ 19.9285, 0.3117,
0.3732

■ 16.4497, 0.3057,
0.5350

■ 21.0476, 0.3124,
0.3464


■ 16.1246, 0.3041,
0.5621

■ 22.3228, 0.3128,
0.3227

■ 15.9016, 0.3026,
0.5823

■ 23.7598, 0.3132,
0.3020


 15.7658, 0.3015,
0.5956

 25.3639, 0.3134,
0.2841

 15.7358, 0.3014,
0.5989

 27.1404, 0.3136,
0.2685

 29.0942, 0.3137,
0.2551

 31.2299, 0.3137,
0.2435

Harmonies

Analogous

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



18.1336, 0.3718, 0.4451



18.1336, 0.3099, 0.4355



18.1336, 0.2520, 0.3852

Triad

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



18.1336, 0.3099, 0.4355



18.1336, 0.2112, 0.2353



18.1336, 0.4227, 0.3245

Complementary

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



18.1336, 0.3099, 0.4355



11.9763, 0.3137, 0.2401

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.



18.1336, 0.3706, 0.2797



18.1336, 0.3099, 0.4355



18.1336, 0.2477, 0.2302

Square

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



18.1336, 0.3099, 0.4355



18.1336, 0.1992, 0.2647



18.1336, 0.3049, 0.2463



18.1336, 0.4408, 0.3735

Rectangle

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



18.1336, 0.3099, 0.4355



18.1336, 0.2232, 0.3405



18.1336, 0.3049, 0.2463



18.1336, 0.4084, 0.3087

Sweetspot

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



18.1344, 0.3099, 0.4355



36.8499, 0.3121, 0.3569



20.3363, 0.3676, 0.4136



8.2908, 0.3121, 0.3598



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.1344, 0.3099, 0.4355



31.3739, 0.3088, 0.4655



18.4201, 0.2869, 0.3866



4.8268, 0.3123, 0.3512



15.3432, 0.3014, 0.5989



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9763, 0.3137, 0.2401



18.5989, 0.3137, 0.2201



11.6194, 0.3511, 0.2781



4.4034, 0.3131, 0.3077



5.6889, 0.3106, 0.1485



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1336, 0.3099, 0.4355 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 18.1336, 0.3099, 0.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

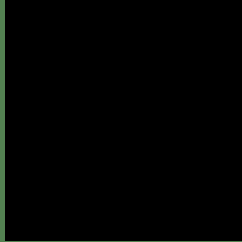
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1336, 0.3099, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 18.1336, 0.3099, 0.4355.



This preview shows how white text looks on a background with the Yxy color 18.1336, 0.3099, 0.4355.

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

18.1336, 0.3099, 0.4355

Protanopia

18.0679, 0.3775, 0.4088

Deuteranopia

18.0416, 0.3864, 0.3797



Tritanopia

18.1865, 0.2688, 0.3089

Trichromacy



Original Color

18.1336, 0.3099, 0.4355

Protanomaly

17.9139, 0.3508, 0.4185

Deuteranomaly

17.7557, 0.3548, 0.3986

Tritanomaly

18.0060, 0.2834, 0.3522

Monochromacy



Original Color

18.1336, 0.3099, 0.4355

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.3328, 0.3122, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1336, 0.3099, 0.4355 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(83, 129, 81)` looks like.

```
.text, #text, p{  
    color:rgb(83, 129, 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(83, 129, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 129, 81) }
```

Border

The CSS property to change the border of an element to Yxy 18.1336, 0.3099, 0.4355 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(83, 129, 81) }
```

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

```
.border{ border-color:rgb(83, 129, 81) }
```

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

Here you see how a box with a 4 pixel rgb(83, 129, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 129, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 129, 81);  
box-shadow:4px 4px 4px 4px rgb(83, 129,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1336, 0.3099, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 129, 81) }
```

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

```
.background{ background-color: rgb(83, 129,  
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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