

Converting Colors

$Y_{xy}(18.6109, 0.3080, 0.4925)$

Have a look what the booklet for
Yxy(18.6109, 0.3080, 0.4925)
contains.

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Color

Yxy(18.5218, 0.3077, 0.4924)

Conversions

Conversions Part 1

Format	Color
Hex	41863E
RGB	65, 134, 62
RGB Percent	25%, 53%, 24%
CMY	0.7451, 0.4745, 0.7569
CMYK	0.51, 0.00, 0.54, 0.47
HSL	117°, 37%, 38%
HSV	117°, 54%, 53%
XYZ	11.5742, 18.5218, 7.5193
YIQ	105.1610, -18.0120, -37.0200

Conversions

Conversions Part 2

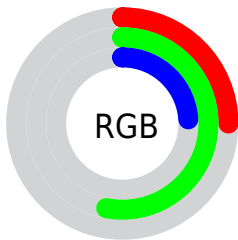
Format	Color
RYB	62, 134, 131
Decimal	4294206
CIELab	50.12, -37.18, 31.95
CIElCh	50, 49.024, 139.328
Yxy	18.5218, 0.3077, 0.4924
Android (android.graphics.Color)	4282484286 (0xFF41863E)
YUV	105.1610, -21.2784, -35.2212
Hunter-Lab	43.0370, -27.3094, 19.7669

Details

The Yxy color **18.5218, 0.3077, 0.4924** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9881, 0.3136, 0.2037**, and the grayscale version is **14.2350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9657, 0.3121, 0.4514**, and **6.2182, 0.2927, 0.5737** is the 20% darker color. If you saturate the color by 10%, you get **18.0037, 0.3062, 0.5252**, and if you desaturate by 10%, it is **19.1773, 0.3091, 0.4581**.

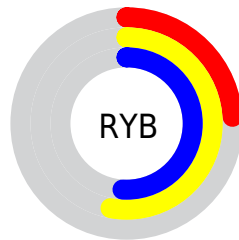
Distribution



Red (25%)

Green (53%)

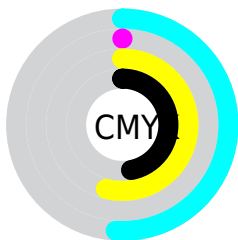
Blue (24%)



Red (24%)

Yellow (53%)

Blue (51%)

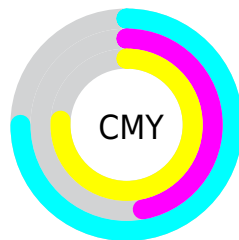


Cyan (51%)

Magenta (0%)

Yellow (54%)

Black (47%)



Cyan (75%)


Magenta (47%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5218, 0.3077, 0.4924 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 18.5218, 0.3077, 0.4924 by changing the saturation by 10% instead.


 18.5218, 0.3077,
0.4924


 18.5218, 0.3077,
0.4924


243.7960, 0.3147,
0.3927


 11.3253, 0.3027,
0.5254


 40.9245, 0.3121,
0.4507


 6.2861, 0.2929,
0.5735


 56.8994, 0.3131,
0.4368


 3.0198, 0.2827,
0.6744

 76.5692, 0.3137,
0.4257

 1.1421, 0.1212,
0.8788

 100.3184, 0.3141,
0.4166

 0.0136, 0.0000,
1.0000

 128.5312, 0.3144,
0.4091

 0.0000, 0.0000,
0.0000

 161.5922, 0.3145,

0.4028

199.8856, 0.3146,
0.3973

■ 18.5218, 0.3077,
0.4924

■ 18.5218, 0.3077,
0.4924

■ 18.0037, 0.3062,
0.5252

■ 19.1773, 0.3091,
0.4581

■ 17.6112, 0.3046,
0.5541

■ 19.9765, 0.3102,
0.4244

■ 17.3343, 0.3030,
0.5768

■ 20.9282, 0.3112,
0.3927

■ 17.1600, 0.3016,
0.5917

■ 22.0396, 0.3120,
0.3637

■ 17.0874, 0.3013,
0.5990

■ 23.3178, 0.3125,
0.3379

■ 24.7690, 0.3130,
0.3152

■ 26.3995, 0.3133,
0.2954

■ 28.2150, 0.3135,
0.2783

■ 30.2212, 0.3136,
0.2635

Harmonies

Analogous

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



18.5218, 0.3936, 0.4937



18.5218, 0.3077, 0.4924



18.5218, 0.2278, 0.4177

Triad

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



18.5218, 0.3077, 0.4924



18.5218, 0.1726, 0.2001



18.5218, 0.4694, 0.3145

Complementary

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



18.5218, 0.3077, 0.4924



9.9881, 0.3136, 0.2037

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.



18.5218, 0.3905, 0.2572



18.5218, 0.3077, 0.4924



18.5218, 0.2180, 0.1943

Square

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



18.5218, 0.3077, 0.4924



18.5218, 0.1582, 0.2378



18.5218, 0.2948, 0.2147



18.5218, 0.4951, 0.3787

Rectangle

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



18.5218, 0.3077, 0.4924



18.5218, 0.1891, 0.3476



18.5218, 0.2948, 0.2147



18.5218, 0.4477, 0.2943

Sweetspot

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



18.5226, 0.3077, 0.4924



38.2919, 0.3118, 0.3710



21.4886, 0.3908, 0.4482



8.5495, 0.3117, 0.3758



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.5226, 0.3077, 0.4924



31.5895, 0.3059, 0.5303



18.8897, 0.2782, 0.4188



5.2134, 0.3122, 0.3514



16.0138, 0.3014, 0.5989



0.0560, 0.3075, 0.5940

Inverse Universe

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



9.9881, 0.3136, 0.2037



14.9306, 0.3132, 0.1824



9.4629, 0.3770, 0.2561



4.7531, 0.3131, 0.3075



5.9422, 0.3108, 0.1486



0.0214, 0.3162, 0.1515

Previews

White Background



This preview shows how the Yxy color 18.5218, 0.3077, 0.4924 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 18.5218, 0.3077, 0.4924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

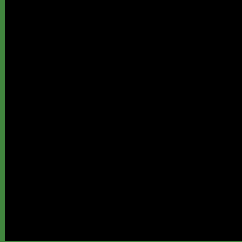
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5218, 0.3077, 0.4924

Background



This preview shows how black text looks on a background with the Yxy color 18.5218, 0.3077, 0.4924.



This preview shows how white text looks on a background with the Yxy color 18.5218, 0.3077, 0.4924.

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

18.5218, 0.3077, 0.4924

Protanopia

18.3144, 0.4020, 0.4409

Deuteranopia

18.2352, 0.4162, 0.4081



Tritanopia

18.4486, 0.2558, 0.3085

Trichromacy



Original Color

18.5218, 0.3077, 0.4924

Protanomaly

17.8569, 0.3628, 0.4607

Deuteranomaly

17.7694, 0.3711, 0.4398

Tritanomaly

18.3005, 0.2752, 0.3727

Monochromacy



Original Color

18.5218, 0.3077, 0.4924

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.3857, 0.3111, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5218, 0.3077, 0.4924 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(65, 134, 62)` looks like.

```
.text, #text, p{  
    color:rgb(65, 134, 62)  
}
```

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(65, 134, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 134, 62) }
```

Border

The CSS property to change the border of an element to Yxy 18.5218, 0.3077, 0.4924 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(65, 134, 62) }
```

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

```
.border{ border-color:rgb(65, 134, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 134, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 134, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 134, 62);  
box-shadow:4px 4px 4px 4px rgb(65, 134,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5218, 0.3077, 0.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 134, 62) }
```

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

```
.background{ background-color: rgb(65, 134,  
62) }
```

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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