

Converting Colors

$Y_{xy}(18.3682, 0.3227, 0.5435)$

Have a look what the booklet for
Yxy(18.3682, 0.3227, 0.5435)
contains.

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Color

Yxy(18.4734, 0.3221, 0.5432)

Conversions

Conversions Part 1

Format	Color
Hex	3E8723
RGB	62, 135, 35
RGB Percent	24%, 53%, 14%
CMY	0.7569, 0.4706, 0.8626
CMYK	0.54, 0.00, 0.74, 0.47
HSL	104°, 59%, 33%
HSV	104°, 74%, 53%
XYZ	10.9541, 18.4734, 4.5809
YIQ	101.7730, -11.4080, -46.5760

Conversions

Conversions Part 2

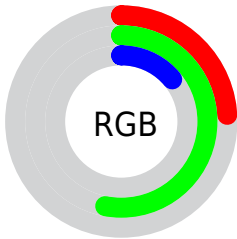
Format	Color
R_{YB}	35, 135, 108
Decimal	4097827
CIE _{Lab}	50.07, -41.44, 44.35
CIE _{LCh}	50, 60.695, 133.061
Yxy	18.4734, 0.3221, 0.5432
Android (android.graphics.Color)	4282287907 (0xFF3E8723)
YUV	101.7730, -32.9191, -34.8809
Hunter-Lab	42.9807, -29.7234, 23.7673

Details

The Yxy color **18.4734, 0.3221, 0.5432** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.1442, 0.2735, 0.1505**, and the grayscale version is **13.3155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8490, 0.3266, 0.4903**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.1185, 0.3192, 0.5655**, and if you desaturate by 10%, it is **18.9186, 0.3237, 0.5159**.

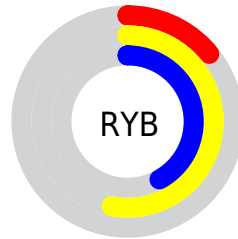
Distribution



Red (24%)

Green (53%)

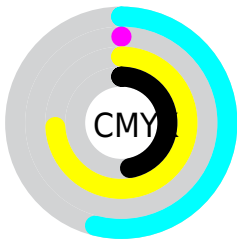
Blue (14%)



Red (14%)

Yellow (53%)

Blue (42%)

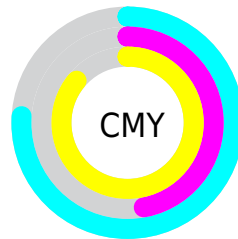


Cyan (54%)

Magenta (0%)

Yellow (74%)

Black (47%)



Cyan (76%)


Magenta (47%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4734, 0.3221, 0.5432 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 18.4734, 0.3221, 0.5432 by changing the saturation by 10% instead.


 18.4734, 0.3221,
0.5432


 18.4734, 0.3221,
0.5432

243.5260, 0.3246,
0.4133


 11.2904, 0.3155,
0.5837


 40.8424, 0.3263,
0.4898


 6.2625, 0.3029,
0.6433


 56.7971, 0.3267,
0.4716


 3.0054, 0.2727,
0.7273

 76.4445, 0.3267,
0.4570

 1.1345, 0.0401,
0.9599

 100.1690, 0.3264,
0.4451

 0.0072, 0.0000,
1.0000

 128.3551, 0.3260,
0.4351

 0.0000, 0.0000,
0.0000

 161.3870, 0.3255,

0.4267

199.6491, 0.3250,
0.4195

■ 18.4734, 0.3221,
0.5432

■ 18.4734, 0.3221,
0.5432

■ 18.1185, 0.3192,
0.5655

■ 18.9186, 0.3237,
0.5159

■ 17.8443, 0.3153,
0.5816

■ 19.4579, 0.3241,
0.4855

■ 17.7111, 0.3131,
0.5896

■ 20.0974, 0.3233,
0.4537

■ 20.8423, 0.3217,
0.4222

■ 21.6971, 0.3195,
0.3920

■ 22.6663, 0.3168,
0.3641

■ 23.7541, 0.3139,
0.3386

■ 24.9643, 0.3109,
0.3157

■ 26.3006, 0.3080,
0.2954

Harmonies

Analogous

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



18.4734, 0.4223, 0.5153



18.4734, 0.3221, 0.5432



18.4734, 0.2245, 0.4682

Triad

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



18.4734, 0.3221, 0.5432



18.4734, 0.1418, 0.1808



18.4734, 0.4902, 0.2928

Complementary

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



18.4734, 0.3221, 0.5432



6.1442, 0.2735, 0.1505

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.



18.4734, 0.3824, 0.2306



18.4734, 0.3221, 0.5432



18.4734, 0.1852, 0.1692

Square

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



18.4734, 0.3221, 0.5432



18.4734, 0.1320, 0.2307



18.4734, 0.2671, 0.1870



18.4734, 0.5340, 0.3640

Rectangle

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



18.4734, 0.3221, 0.5432



18.4734, 0.1751, 0.3776



18.4734, 0.2671, 0.1870



18.4734, 0.4590, 0.2707

Sweetspot

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



18.4742, 0.3221, 0.5432



39.1103, 0.3191, 0.3875



15.7211, 0.4428, 0.4485



8.9697, 0.3197, 0.3942



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.4742, 0.3221, 0.5432



32.0902, 0.3166, 0.5773



17.9789, 0.2896, 0.5161



5.2610, 0.3154, 0.3511



16.3372, 0.3133, 0.5894



0.0598, 0.3433, 0.5656

Inverse Universe

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



6.1442, 0.2735, 0.1505



8.6555, 0.2615, 0.1267



7.5552, 0.3614, 0.2009



4.7014, 0.3097, 0.3073



4.0447, 0.2555, 0.1181



0.0176, 0.2878, 0.1359

Previews

White Background



This preview shows how the Yxy color 18.4734, 0.3221, 0.5432 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 18.4734, 0.3221, 0.5432 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 18.4734, 0.3221, 0.5432

Background



This preview shows how black text looks on a background with the Yxy color 18.4734, 0.3221, 0.5432.



This preview shows how white text looks on a background with the Yxy color 18.4734, 0.3221, 0.5432.

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

18.4734, 0.3221, 0.5432

Protanopia

18.2791, 0.4262, 0.4717

Deuteranopia

18.2880, 0.4444, 0.4376



Tritanopia

18.4486, 0.2558, 0.3085

Trichromacy



Original Color

18.4734, 0.3221, 0.5432

Protanomaly

17.8973, 0.3830, 0.5019

Deuteranomaly

17.6167, 0.3947, 0.4772

Tritanomaly

18.0572, 0.2835, 0.3961

Monochromacy



Original Color

18.4734, 0.3221, 0.5432

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.6109, 0.3202, 0.4131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4734, 0.3221, 0.5432 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(62, 135, 35)` looks like.

```
.text, #text, p{  
    color:rgb(62, 135, 35)  
}
```

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(62, 135, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 135, 35) }
```

Border

The CSS property to change the border of an element to Yxy 18.4734, 0.3221, 0.5432 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(62, 135, 35) }
```

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

```
.border{ border-color:rgb(62, 135, 35) }
```

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

Here you see how a box with a 4 pixel rgb(62, 135, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 135, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 135, 35);  
box-shadow:4px 4px 4px 4px rgb(62, 135,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4734, 0.3221, 0.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 135, 35) }
```

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

```
.background{ background-color: rgb(62, 135,  
35) }
```

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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