

Converting Colors

$Y_{xy}(18.4100, 0.3276, 0.5587)$

Have a look what the booklet for
Yxy(18.4100, 0.3276, 0.5587)
contains.

Yxy(18.4100, 0.3276, 0.5587)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4100, 0.3276, 0.5587)

Conversions

Conversions Part 1

Format	Color
Hex	3E8716
RGB	62, 135, 22
RGB Percent	24%, 53%, 9%
CMY	0.7569, 0.4706, 0.9135
CMYK	0.54, 0.00, 0.84, 0.47
HSL	99°, 72%, 31%
HSV	99°, 84%, 53%
XYZ	10.7949, 18.4100, 3.7466
YIQ	100.2910, -7.2350, -50.6190

Conversions

Conversions Part 2

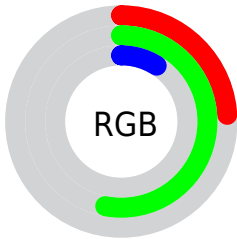
Format	Color
R_{YB}	22, 135, 95
Decimal	4097814
CIE Lab	49.99, -42.30, 48.72
CIE LCh	50, 64.524, 130.963
Yxy	18.4100, 0.3276, 0.5587
Android (android.graphics.Color)	4282287894 (0xFF3E8716)
YUV	100.2910, -38.5975, -33.5812
Hunter-Lab	42.9069, -30.1783, 24.8577

Details

The Yxy color **18.4100, 0.3276, 0.5587** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **4.7634, 0.2504, 0.1270**, and the grayscale version is **12.9252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7129, 0.3316, 0.5023**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.1116, 0.3235, 0.5748**, and if you desaturate by 10%, it is **18.7825, 0.3302, 0.5368**.

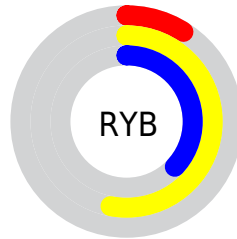
Distribution



Red (24%)

Green (53%)

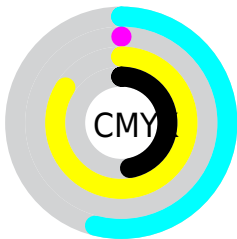
Blue (9%)



Red (9%)

Yellow (53%)

Blue (37%)

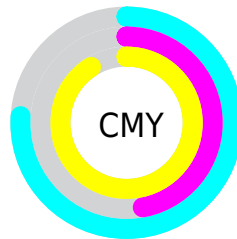


Cyan (54%)

Magenta (0%)

Yellow (84%)

Black (47%)



Cyan (76%)


Magenta (47%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4100, 0.3276, 0.5587 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 18.4100, 0.3276, 0.5587 by changing the saturation by 10% instead.


 18.4100, 0.3276,
0.5587


 18.4100, 0.3276,
0.5587


243.1720, 0.3286,
0.4202


 11.2447, 0.3201,
0.6004


 40.7347, 0.3320,
0.5024


 6.2317, 0.3092,
0.6684

 56.6630, 0.3322,
0.4830


 2.9865, 0.2678,
0.7322

 76.2810, 0.3319,
0.4674

 1.1247, 0.0162,
0.9838


 99.9733, 0.3314,
0.4545


 0.0000, 0.0000,
0.0000


 128.1241, 0.3307,
0.4438


 161.1179, 0.3300,

0.4347


 199.3390, 0.3293,
0.4269


 18.4100, 0.3276,
0.5587


 18.4100, 0.3276,
0.5587


 18.1116, 0.3235,
0.5748


 18.7825, 0.3302,
0.5368

 17.9506, 0.3208,
0.5835

 19.2325, 0.3312,
0.5104

 19.7660, 0.3307,
0.4810

 20.3875, 0.3289,
0.4503

 21.1012, 0.3260,
0.4197

■ 21.9110, 0.3225,
0.3903

■ 22.8205, 0.3185,
0.3628

■ 23.8331, 0.3143,
0.3376

■ 24.9522, 0.3100,
0.3148

Harmonies

Analogous

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



18.4100, 0.4320, 0.5188



18.4100, 0.3276, 0.5587



18.4100, 0.2247, 0.4877

Triad

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



18.4100, 0.3276, 0.5587



18.4100, 0.1324, 0.1754



18.4100, 0.4949, 0.2849

Complementary

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



18.4100, 0.3276, 0.5587



4.7634, 0.2504, 0.1270

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.



18.4100, 0.3771, 0.2215



18.4100, 0.3276, 0.5587



18.4100, 0.1744, 0.1616

Square

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



18.4100, 0.3276, 0.5587



18.4100, 0.1243, 0.2298



18.4100, 0.2567, 0.1782



18.4100, 0.5460, 0.3575

Rectangle

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



18.4100, 0.3276, 0.5587



18.4100, 0.1716, 0.3907



18.4100, 0.2567, 0.1782



18.4100, 0.4603, 0.2623

Sweetspot

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



18.4108, 0.3276, 0.5587



38.9461, 0.3232, 0.3958



13.1426, 0.4733, 0.4410



8.9148, 0.3243, 0.4047



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.



18.4108, 0.3276, 0.5587



32.0612, 0.3194, 0.5846



17.6348, 0.2950, 0.5574



5.2789, 0.3166, 0.3511



16.5585, 0.3211, 0.5833



0.0612, 0.3545, 0.5567

Inverse Universe

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



4.7634, 0.2504, 0.1270



6.6943, 0.2340, 0.1063



7.0823, 0.3491, 0.1809



4.6827, 0.3085, 0.3072



3.5019, 0.2361, 0.1074



0.0162, 0.2761, 0.1294

Previews

White Background



This preview shows how the Yxy color 18.4100, 0.3276, 0.5587 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 18.4100, 0.3276, 0.5587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

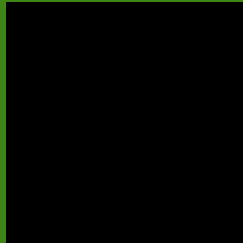
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4100, 0.3276, 0.5587

Background



This preview shows how black text looks on a background with the Yxy color 18.4100, 0.3276, 0.5587.



This preview shows how white text looks on a background with the Yxy color 18.4100, 0.3276, 0.5587.

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

18.4100, 0.3276, 0.5587

Protanopia

18.2207, 0.4334, 0.4823

Deuteranopia

18.0056, 0.4530, 0.4455



Tritanopia

18.4486, 0.2558, 0.3085

Trichromacy



Original Color

18.4100, 0.3276, 0.5587

Protanomaly

17.8400, 0.3894, 0.5141

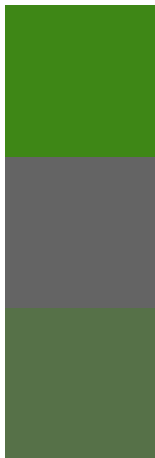
Deuteranomaly

17.3086, 0.4035, 0.4888

Tritanomaly

17.9826, 0.2873, 0.4055

Monochromacy



Original Color

18.4100, 0.3276, 0.5587

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.2566, 0.3260, 0.4259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4100, 0.3276, 0.5587 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(62, 135, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 135, 22) }
```

Border

The CSS property to change the border of an element to Yxy 18.4100, 0.3276, 0.5587 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, 22) }
```

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

```
.border{ border-color:rgb(62, 135, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 135, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 135, 22);  
box-shadow:4px 4px 4px 4px rgb(62, 135,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4100, 0.3276, 0.5587 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, 22) }
```

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

```
.background{ background-color: rgb(62, 135,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor