

Converting Colors

$Y_{xy}(18.6444, 0.3485, 0.5371)$

Have a look what the booklet for
Yxy(18.6444, 0.3485, 0.5371)
contains.

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Color

Yxy(18.6932, 0.3487, 0.5364)

Conversions

Conversions Part 1

Format	Color
Hex	53851B
RGB	83, 133, 27
RGB Percent	33%, 52%, 11%
CMY	0.6745, 0.4784, 0.8941
CMYK	0.38, 0.00, 0.80, 0.48
HSL	88°, 66%, 31%
HSV	88°, 80%, 52%
XYZ	12.1520, 18.6932, 4.0042
YIQ	105.9660, 4.2260, -43.5660

Conversions

Conversions Part 2

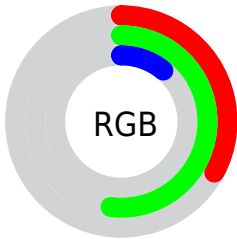
Format	Color
R_{YB}	27, 133, 77
Decimal	5473563
CIE _{Lab}	50.33, -34.00, 47.85
CIE _{LCh}	50, 58.698, 125.399
Yxy	18.6932, 0.3487, 0.5364
Android (android.graphics.Color)	4283663643 (0xFF53851B)
YUV	105.9660, -38.9302, -20.1412
Hunter-Lab	43.2356, -25.4925, 24.7739

Details

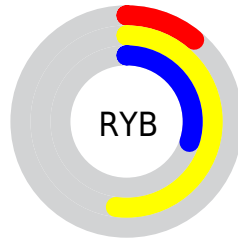
The Yxy color **18.6932, 0.3487, 0.5364** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.0556, 0.2240, 0.1182**, and the grayscale version is **14.5109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4382, 0.3475, 0.4875**, and **6.4477, 0.3242, 0.5807** is the 20% darker color. If you saturate the color by 10%, you get **18.3732, 0.3463, 0.5531**, and if you desaturate by 10%, it is **19.0686, 0.3490, 0.5150**.

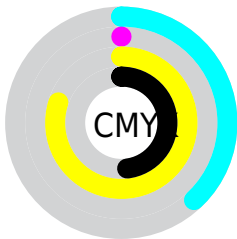
Distribution



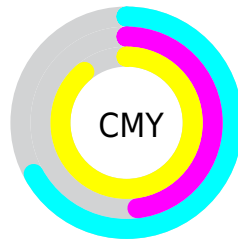
- Red (33%)
- Green (52%)
- Blue (11%)



- Red (11%)
- Yellow (52%)
- Blue (30%)



- Cyan (38%)
- Magenta (0%)
- Yellow (80%)
- Black (48%)





- Cyan (67%)
- Magenta (48%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6932, 0.3487, 0.5364 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 18.6932, 0.3487, 0.5364 by changing the saturation by 10% instead.


 18.6932, 0.3487,
0.5364


 18.6932, 0.3487,
0.5364


244.7498, 0.3363,
0.4133


 11.4488, 0.3461,
0.5725


 41.2150, 0.3473,
0.4871


 6.3696, 0.3411,
0.6283


 57.2613, 0.3456,
0.4698


 3.0711, 0.3132,
0.6868

 77.0102, 0.3438,
0.4559

 1.1690, 0.1800,
0.8200

 100.8463, 0.3421,
0.4443

 0.0361, 0.0000,
1.0000

 129.1539, 0.3405,
0.4347

 0.0000, 0.0000,
0.0000

 162.3174, 0.3390,

0.4265

200.7212, 0.3376,
0.4194

18.6932, 0.3487,
0.5364

18.6932, 0.3487,
0.5364

18.3732, 0.3463,
0.5531

19.0686, 0.3490,
0.5150

18.0957, 0.3424,
0.5660

19.5009, 0.3473,
0.4900

18.0878, 0.3423,
0.5664

19.9944, 0.3437,
0.4626

20.5523, 0.3388,
0.4341

21.1776, 0.3329,
0.4057

■ 21.8728, 0.3263,
0.3783

■ 22.6405, 0.3194,
0.3524

■ 23.4831, 0.3125,
0.3283

■ 24.4028, 0.3057,
0.3063

Harmonies

Analogous

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



18.6932, 0.4430, 0.4941



18.6932, 0.3487, 0.5364



18.6932, 0.2506, 0.4900

Triad

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



18.6932, 0.3487, 0.5364



18.6932, 0.1408, 0.1937



18.6932, 0.4614, 0.2778

Complementary

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



18.6932, 0.3487, 0.5364



4.0556, 0.2240, 0.1182

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.



18.6932, 0.3502, 0.2205



18.6932, 0.3487, 0.5364



18.6932, 0.1747, 0.1735

Square

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



18.6932, 0.3487, 0.5364



18.6932, 0.1397, 0.2547



18.6932, 0.2448, 0.1839



18.6932, 0.5232, 0.3461

Rectangle

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



18.6932, 0.3487, 0.5364



18.6932, 0.1961, 0.4102



18.6932, 0.2448, 0.1839



18.6932, 0.4271, 0.2570

Sweetspot

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



18.6940, 0.3487, 0.5364



38.5478, 0.3295, 0.3914



10.2996, 0.4965, 0.4095



8.6002, 0.3315, 0.3998



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.



18.6940, 0.3487, 0.5364



32.4815, 0.3427, 0.5632



17.1395, 0.3032, 0.5687



5.3168, 0.3190, 0.3509



17.2325, 0.3425, 0.5663



0.0640, 0.3755, 0.5400

Inverse Universe

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



4.0556, 0.2240, 0.1182



5.1368, 0.2018, 0.0906



7.1815, 0.3140, 0.1640



4.6443, 0.3060, 0.3071



2.6165, 0.1998, 0.0874



0.0134, 0.2489, 0.1145

Previews

White Background



This preview shows how the Yxy color 18.6932, 0.3487, 0.5364 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 18.6932, 0.3487, 0.5364 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 18.6932, 0.3487, 0.5364

Background



This preview shows how black text looks on a background with the Yxy color 18.6932, 0.3487, 0.5364.



This preview shows how white text looks on a background with the Yxy color 18.6932, 0.3487, 0.5364.

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

18.6932, 0.3487, 0.5364

Protanopia

18.5672, 0.4302, 0.4780

Deuteranopia

18.3334, 0.4515, 0.4442



Tritanopia

18.6779, 0.2721, 0.3092

Trichromacy



Original Color

18.6932, 0.3487, 0.5364

Protanomaly

18.3823, 0.3977, 0.5014

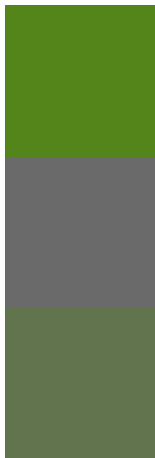
Deuteranomaly

17.9027, 0.4127, 0.4783

Tritanomaly

18.2803, 0.3061, 0.3977

Monochromacy



Original Color

18.6932, 0.3487, 0.5364

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.6233, 0.3355, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6932, 0.3487, 0.5364 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, 133, 27)` looks like.

```
.text, #text, p{  
    color:rgb(83, 133, 27)  
}
```

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, 133, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 133, 27) }
```

Border

The CSS property to change the border of an element to Yxy 18.6932, 0.3487, 0.5364 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, 133, 27) }
```

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

```
.border{ border-color:rgb(83, 133, 27) }
```

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

Here you see how a box with a 4 pixel rgb(83, 133, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 133, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 133, 27);  
box-shadow:4px 4px 4px 4px rgb(83, 133,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6932, 0.3487, 0.5364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 133, 27) }
```

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

```
.background{ background-color: rgb(83, 133,  
27) }
```

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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