

Converting Colors

$Y_{xy}(18.2013, 0.3515, 0.5391)$

Have a look what the booklet for
Yxy(18.2013, 0.3515, 0.5391)
contains.

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Color

Yxy(18.1335, 0.3517, 0.5387)

Conversions

Conversions Part 1

Format	Color
Hex	538317
RGB	83, 131, 23
RGB Percent	33%, 51%, 9%
CMY	0.6745, 0.4863, 0.9096
CMYK	0.37, 0.00, 0.82, 0.49
HSL	87°, 70%, 30%
HSV	87°, 82%, 51%
XYZ	11.8388, 18.1335, 3.6893
YIQ	104.3360, 6.0600, -43.7640

Conversions

Conversions Part 2

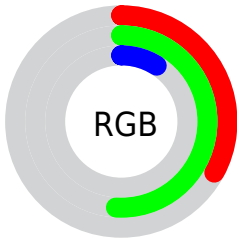
Format	Color
R_{YB}	23, 131, 71
Decimal	5473047
CIE _{Lab}	49.66, -33.30, 48.48
CIE _{LCh}	50, 58.820, 124.484
Yxy	18.1335, 0.3517, 0.5387
Android (android.graphics.Color)	4283663127 (0xFF538317)
YUV	104.3360, -40.0986, -18.7117
Hunter-Lab	42.5834, -24.8956, 24.6717

Details

The Yxy color **18.1335, 0.3517, 0.5387** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.5953, 0.2163, 0.1110**, and the grayscale version is **14.0489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1352, 0.3504, 0.4884**, and **6.1609, 0.3267, 0.5788** is the 20% darker color. If you saturate the color by 10%, you get **17.8401, 0.3490, 0.5537**, and if you desaturate by 10%, it is **18.4767, 0.3522, 0.5189**.

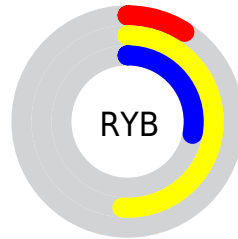
Distribution



Red (33%)

Green (51%)

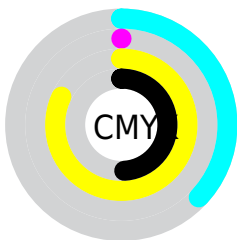
Blue (9%)



Red (9%)

Yellow (51%)

Blue (28%)

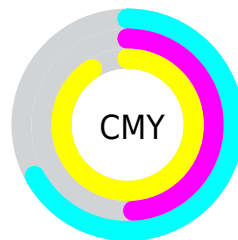


Cyan (37%)

Magenta (0%)

Yellow (82%)

Black (49%)



Cyan (67%)


Magenta (49%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1335, 0.3517, 0.5387 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 18.1335, 0.3517, 0.5387 by changing the saturation by 10% instead.


 18.1335, 0.3517,
0.5387


 18.1335, 0.3517,
0.5387


241.6224, 0.3379,
0.4141

 11.0459, 0.3491,
0.5751


 40.2647, 0.3499,
0.4888


 6.0977, 0.3459,
0.6348

 56.0770, 0.3480,
0.4714


 2.9046, 0.3136,
0.6864

 75.5664, 0.3460,
0.4572

 1.0821, 0.1581,
0.8419


 99.1172, 0.3441,
0.4455


 0.0000, 0.0000,
0.0000


 127.1138, 0.3424,
0.4357

 159.9406, 0.3407,

0.4274


 197.9820, 0.3392,
0.4203


 18.1335, 0.3517,
0.5387


 18.1335, 0.3517,
0.5387


 17.8401, 0.3490,
0.5537

 18.4767, 0.3522,
0.5189

 17.6399, 0.3463,
0.5632

 18.8713, 0.3506,
0.4953

 19.3214, 0.3471,
0.4689

 19.8301, 0.3421,
0.4410

 20.4000, 0.3359,
0.4128

■ 21.0338, 0.3290,
0.3853

■ 21.7338, 0.3218,
0.3591

■ 22.5023, 0.3145,
0.3346

■ 23.3413, 0.3072,
0.3121

Harmonies

Analogous

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



18.1335, 0.4465, 0.4934



18.1335, 0.3517, 0.5387



18.1335, 0.2525, 0.4953

Triad

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



18.1335, 0.3517, 0.5387



18.1335, 0.1388, 0.1935



18.1335, 0.4602, 0.2752

Complementary

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



18.1335, 0.3517, 0.5387



3.5953, 0.2163, 0.1110

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.



18.1335, 0.3470, 0.2180



18.1335, 0.3517, 0.5387



18.1335, 0.1718, 0.1722

Square

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



18.1335, 0.3517, 0.5387



18.1335, 0.1386, 0.2563



18.1335, 0.2413, 0.1818



18.1335, 0.5248, 0.3436

Rectangle

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



18.1335, 0.3517, 0.5387



18.1335, 0.1969, 0.4153



18.1335, 0.2413, 0.1818



18.1335, 0.4250, 0.2544

Sweetspot

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



18.1343, 0.3517, 0.5387



37.2930, 0.3313, 0.3939



9.2468, 0.5102, 0.4034



8.6028, 0.3334, 0.4022



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.



18.1343, 0.3517, 0.5387



31.5402, 0.3453, 0.5633



16.5750, 0.3046, 0.5728



5.3227, 0.3194, 0.3509



17.3648, 0.3463, 0.5632



0.0645, 0.3785, 0.5377

Inverse Universe

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



3.5953, 0.2163, 0.1110



4.5460, 0.1937, 0.0846



6.5243, 0.3074, 0.1581



4.6384, 0.3056, 0.3070



2.5074, 0.1949, 0.0847



0.0129, 0.2443, 0.1119

Previews

White Background



This preview shows how the Yxy color 18.1335, 0.3517, 0.5387 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 18.1335, 0.3517, 0.5387 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 18.1335, 0.3517, 0.5387

Background



This preview shows how black text looks on a background with the Yxy color 18.1335, 0.3517, 0.5387.



This preview shows how white text looks on a background with the Yxy color 18.1335, 0.3517, 0.5387.

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

18.1335, 0.3517, 0.5387

Protanopia

17.9904, 0.4339, 0.4799

Deuteranopia

17.9997, 0.4538, 0.4464



Tritanopia

18.1264, 0.2737, 0.3090

Trichromacy



Original Color

18.1335, 0.3517, 0.5387

Protanomaly

17.8613, 0.4023, 0.5032

Deuteranomaly

17.5725, 0.4145, 0.4809

Tritanomaly

17.7152, 0.3094, 0.4006

Monochromacy



Original Color

18.1335, 0.3517, 0.5387

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.0294, 0.3359, 0.4168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1335, 0.3517, 0.5387 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, 131, 23)` looks like.

```
.text, #text, p{  
    color:rgb(83, 131, 23)  
}
```

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, 131, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 131, 23) }
```

Border

The CSS property to change the border of an element to Yxy 18.1335, 0.3517, 0.5387 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, 131, 23) }
```

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

```
.border{ border-color:rgb(83, 131, 23) }
```

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

Here you see how a box with a 4 pixel rgb(83, 131, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 131, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 131, 23);  
box-shadow:4px 4px 4px 4px rgb(83, 131,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1335, 0.3517, 0.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 131, 23) }
```

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

```
.background{ background-color: rgb(83, 131,  
23) }
```

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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