

Converting Colors

$Y_{xy}(18.2259, 0.3355, 0.4978)$

Have a look what the booklet for
Yxy(18.2259, 0.3355, 0.4978)
contains.

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Color

Yxy(18.3195, 0.3347, 0.4984)

Conversions

Conversions Part 1	
Format	Color
Hex	538334
RGB	83, 131, 52
RGB Percent	33%, 51%, 20%
CMY	0.6746, 0.4863, 0.7961
CMYK	0.37, 0.00, 0.60, 0.49
HSL	96°, 43%, 36%
HSV	96°, 60%, 51%
XYZ	12.3024, 18.3195, 6.1347
YIQ	107.6420, -3.2490, -34.7450

Conversions

Conversions Part 2

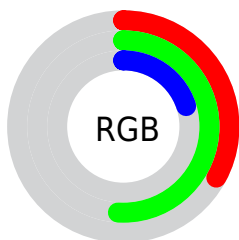
Format	Color
RYB	52, 131, 100
Decimal	5473076
CIELab	49.88, -31.05, 36.92
CIELCh	50, 48.237, 130.066
Yxy	18.3195, 0.3347, 0.4984
Android (android.graphics.Color)	4283663156 (0xFF538334)
YUV	107.6420, -27.4315, -21.6110
Hunter-Lab	42.8013, -23.5957, 21.4629

Details

The Yxy color **18.3195, 0.3347, 0.4984** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.8032, 0.2671, 0.1717**, and the grayscale version is **14.9690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3715, 0.3335, 0.4567**, and **6.1762, 0.3281, 0.5777** is the 20% darker color. If you saturate the color by 10%, you get **17.8767, 0.3346, 0.5254**, and if you desaturate by 10%, it is **18.8382, 0.3332, 0.4690**.

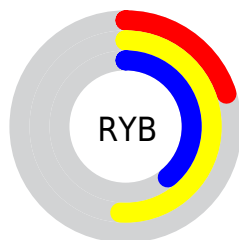
Distribution



Red (33%)

Green (51%)

Blue (20%)



Red (20%)

Yellow (51%)

Blue (39%)

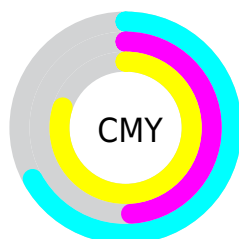


Cyan (37%)

Magenta (0%)

Yellow (60%)

Black (49%)



Cyan (67%)


Magenta (49%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3195, 0.3347, 0.4984 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 18.3195, 0.3347, 0.4984 by changing the saturation by 10% instead.


 18.3195, 0.3347,
0.4984


 18.3195, 0.3347,
0.4984


242.6658, 0.3268,
0.3962


 11.1796, 0.3335,
0.5308


 40.5810, 0.3335,
0.4563


 6.1878, 0.3283,
0.5765

 56.4714, 0.3324,
0.4421

 2.9596, 0.3267,
0.6733

 76.0474, 0.3313,
0.4306

 1.1107, 0.2024,
0.7976

 99.6935, 0.3303,
0.4212


 0.0000, 0.0000,
0.0000


 127.7939, 0.3293,
0.4134

 160.7332, 0.3284,


0.4068


198.8957, 0.3275,
0.4011


 18.3195, 0.3347,
0.4984


 18.3195, 0.3347,
0.4984


 17.8767, 0.3346,
0.5254


 18.8382, 0.3332,
0.4690


 17.5033, 0.3329,
0.5486


 19.4343, 0.3304,
0.4388

 17.1953, 0.3294,
0.5665

 20.1121, 0.3267,
0.4090

 16.9482, 0.3252,
0.5800

 20.8748, 0.3224,
0.3805

 21.7255, 0.3177,
0.3540

■ 22.6672, 0.3129,
0.3297

■ 23.7025, 0.3081,
0.3078

■ 24.8341, 0.3034,
0.2881

■ 26.0646, 0.2990,
0.2705

Harmonies

Analogous

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



18.3195, 0.4169, 0.4801



18.3195, 0.3347, 0.4984



18.3195, 0.2512, 0.4454

Triad

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



18.3195, 0.3347, 0.4984



18.3195, 0.1663, 0.2093



18.3195, 0.4478, 0.2963

Complementary

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



18.3195, 0.3347, 0.4984



6.8032, 0.2671, 0.1717

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.



18.3195, 0.3602, 0.2430



18.3195, 0.3347, 0.4984



18.3195, 0.2018, 0.1944

Square

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



18.3195, 0.3347, 0.4984



18.3195, 0.1616, 0.2581



18.3195, 0.2686, 0.2070



18.3195, 0.4917, 0.3585

Rectangle

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



18.3195, 0.3347, 0.4984



18.3195, 0.2064, 0.3796



18.3195, 0.2686, 0.2070



18.3195, 0.4217, 0.2771

Sweetspot

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



18.3203, 0.3347, 0.4984



37.6566, 0.3215, 0.3753



14.0728, 0.4290, 0.4169



8.6810, 0.3227, 0.3823



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.



18.3203, 0.3347, 0.4984



31.7735, 0.3342, 0.5337



17.2888, 0.2983, 0.4984



5.2873, 0.3171, 0.3510



16.6830, 0.3252, 0.5800



0.0618, 0.3595, 0.5528

Inverse Universe

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



6.8032, 0.2671, 0.1717



9.2158, 0.2535, 0.1416



8.7132, 0.3327, 0.2046



4.6741, 0.3079, 0.3072



3.2764, 0.2274, 0.1026



0.0156, 0.2703, 0.1263

Previews

White Background



This preview shows how the Yxy color 18.3195, 0.3347, 0.4984 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 18.3195, 0.3347, 0.4984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

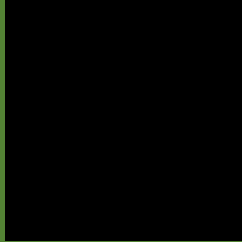
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3195, 0.3347, 0.4984

Background



This preview shows how black text looks on a background with the Yxy color 18.3195, 0.3347, 0.4984.



This preview shows how white text looks on a background with the Yxy color 18.3195, 0.3347, 0.4984.

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

18.3195, 0.3347, 0.4984

Protanopia

18.0758, 0.4130, 0.4517

Deuteranopia

17.9947, 0.4300, 0.4209



Tritanopia

18.3462, 0.2719, 0.3090

Trichromacy



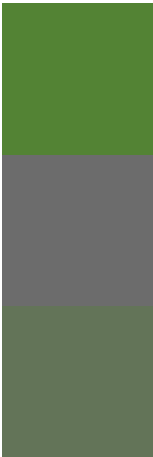
Original Color
18.3195, 0.3347, 0.4984

Protanomaly
17.9651, 0.3821, 0.4709

Deuteranomaly
17.6804, 0.3928, 0.4493

Tritanomaly
18.1453, 0.2957, 0.3759

Monochromacy



Original Color
18.3195, 0.3347, 0.4984

Achromatopsia
14.9960, 0.3127, 0.3290

Achromatomaly
15.8480, 0.3240, 0.3904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3195, 0.3347, 0.4984 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(83, 131, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 131, 52) }
```

Border

The CSS property to change the border of an element to Yxy 18.3195, 0.3347, 0.4984 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, 52) }
```

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

```
.border{ border-color:rgb(83, 131, 52) }
```

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, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 131, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 131, 52);  
box-shadow:4px 4px 4px 4px rgb(83, 131,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3195, 0.3347, 0.4984 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, 52) }
```

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

```
.background{ background-color: rgb(83, 131,  
52) }
```

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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