

Converting Colors

$Y_{xy}(19.7880, 0.3544, 0.5029)$

Have a look what the booklet for
Yxy(19.7880, 0.3544, 0.5029)
contains.

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Color

Yxy(19.7810, 0.3546, 0.5036)

Conversions

Conversions Part 1

Format	Color
Hex	61862D
RGB	97, 134, 45
RGB Percent	38%, 53%, 18%
CMY	0.6196, 0.4745, 0.8234
CMYK	0.28, 0.00, 0.66, 0.47
HSL	85°, 50%, 35%
HSV	85°, 66%, 53%
XYZ	13.9284, 19.7810, 5.5698
YIQ	112.7910, 6.5170, -35.5230

Conversions

Conversions Part 2

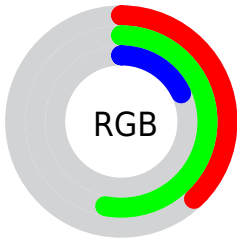
Format	Color
R_{YB}	45, 134, 82
Decimal	6391341
CIE _{Lab}	51.59, -27.72, 42.29
CIE _{LCh}	52, 50.566, 123.247
Yxy	19.7810, 0.3546, 0.5036
Android (android.graphics.Color)	4284581421 (0xFF61862D)
YUV	112.7910, -33.4210, -13.8487
Hunter-Lab	44.4758, -21.9323, 23.7081

Details

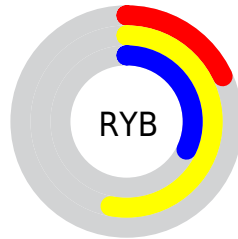
The Yxy color **19.7810, 0.3546, 0.5036** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.3966, 0.2342, 0.1448**, and the grayscale version is **16.5487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8509, 0.3498, 0.4625**, and **6.9215, 0.3486, 0.5614** is the 20% darker color. If you saturate the color by 10%, you get **19.3989, 0.3557, 0.5253**, and if you desaturate by 10%, it is **20.2191, 0.3514, 0.4786**.

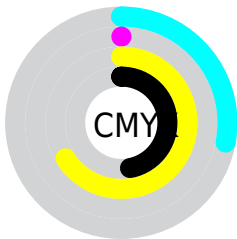
Distribution



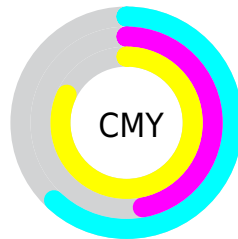
- Red (38%)
- Green (53%)
- Blue (18%)



- Red (18%)
- Yellow (53%)
- Blue (32%)



- Cyan (28%)
- Magenta (0%)
- Yellow (66%)
- Black (47%)





- Cyan (62%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7810, 0.3546, 0.5036 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 19.7810, 0.3546, 0.5036 by changing the saturation by 10% instead.


 19.7810, 0.3546,
0.5036


 19.7810, 0.3546,
0.5036


250.7271, 0.3363,
0.4009


 12.2360, 0.3559,
0.5341


 43.0497, 0.3496,
0.4624


 6.9046, 0.3537,
0.5753


 59.5422, 0.3471,
0.4481


 3.4025, 0.3512,
0.6488

 79.7859, 0.3448,
0.4365

 1.3453, 0.2874,
0.7126

 104.1652, 0.3427,
0.4269

 0.1759, 0.0000,
1.0000

 133.0646, 0.3409,
0.4188

 0.0000, 0.0000,
0.0000

 166.8685, 0.3392,

0.4120

205.9612, 0.3377,
0.4061

■ 19.7810, 0.3546,
0.5036

■ 19.7810, 0.3546,
0.5036

■ 19.3989, 0.3557,
0.5253

■ 20.2191, 0.3514,
0.4786

■ 19.0666, 0.3547,
0.5427

■ 20.7139, 0.3465,
0.4516

■ 18.7790, 0.3516,
0.5556

■ 21.2692, 0.3402,
0.4237

■ 18.6818, 0.3504,
0.5600

■ 21.8876, 0.3331,
0.3961

■ 22.5716, 0.3255,
0.3694

■ 23.3237, 0.3177,
0.3442

■ 24.1459, 0.3099,
0.3208

■ 25.0404, 0.3024,
0.2994

■ 26.0092, 0.2953,
0.2799

Harmonies

Analogous

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



19.7810, 0.4350, 0.4715



19.7810, 0.3546, 0.5036



19.7810, 0.2679, 0.4671

Triad

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



19.7810, 0.3546, 0.5036



19.7810, 0.1600, 0.2149



19.7810, 0.4330, 0.2820

Complementary

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



19.7810, 0.3546, 0.5036



5.3966, 0.2342, 0.1448

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.



19.7810, 0.3387, 0.2313



19.7810, 0.3546, 0.5036



19.7810, 0.1888, 0.1929

Square

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



19.7810, 0.3546, 0.5036



19.7810, 0.1623, 0.2733



19.7810, 0.2494, 0.1998



19.7810, 0.4906, 0.3437

Rectangle

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



19.7810, 0.3546, 0.5036



19.7810, 0.2182, 0.4050



19.7810, 0.2494, 0.1998



19.7810, 0.4035, 0.2635

Sweetspot

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



19.7819, 0.3546, 0.5036



39.2649, 0.3286, 0.3800



11.0872, 0.4682, 0.3926



8.7815, 0.3304, 0.3864



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.



19.7819, 0.3546, 0.5036



33.8522, 0.3554, 0.5352



18.0233, 0.3098, 0.5309



5.3290, 0.3198, 0.3509



17.5130, 0.3506, 0.5599



0.0650, 0.3816, 0.5352

Inverse Universe

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



5.3966, 0.2342, 0.1448



6.5113, 0.2123, 0.1095



7.9687, 0.3044, 0.1769



4.6322, 0.3052, 0.3070



2.4001, 0.1900, 0.0820



0.0124, 0.2393, 0.1092

Previews

White Background



This preview shows how the Yxy color 19.7810, 0.3546, 0.5036 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 19.7810, 0.3546, 0.5036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

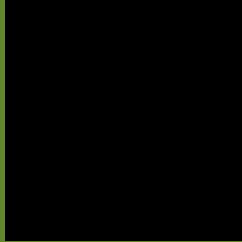
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7810, 0.3546, 0.5036

Background



This preview shows how black text looks on a background with the Yxy color 19.7810, 0.3546, 0.5036.



This preview shows how white text looks on a background with the Yxy color 19.7810, 0.3546, 0.5036.

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

19.7810, 0.3546, 0.5036

Protanopia

19.6515, 0.4191, 0.4622

Deuteranopia

19.6370, 0.4383, 0.4324



Tritanopia

19.6677, 0.2839, 0.3100

Trichromacy



Original Color

19.7810, 0.3546, 0.5036

Protanomaly

19.4907, 0.3940, 0.4784

Deuteranomaly

19.2932, 0.4067, 0.4575

Tritanomaly

19.4009, 0.3137, 0.3818

Monochromacy



Original Color

19.7810, 0.3546, 0.5036

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.5051, 0.3332, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7810, 0.3546, 0.5036 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(97, 134, 45)` looks like.

```
.text, #text, p{  
    color:rgb(97, 134, 45)  
}
```

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(97, 134, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 134, 45) }
```

Border

The CSS property to change the border of an element to Yxy 19.7810, 0.3546, 0.5036 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(97, 134, 45) }
```

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

```
.border{ border-color:rgb(97, 134, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 134, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 134, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 134, 45);  
box-shadow:4px 4px 4px 4px rgb(97, 134,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7810, 0.3546, 0.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 134, 45) }
```

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

```
.background{ background-color: rgb(97, 134,  
45) }
```

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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