

Converting Colors

$Y_{xy}(19.3957, 0.3553, 0.4259)$

Have a look what the booklet for
Yxy(19.3957, 0.3553, 0.4259)
contains.

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Color

Yxy(19.4965, 0.3560, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	757F4D
RGB	117, 127, 77
RGB Percent	46%, 50%, 30%
CMY	0.5411, 0.5020, 0.6980
CMYK	0.08, 0.00, 0.39, 0.50
HSL	72°, 25%, 40%
HSV	72°, 39%, 50%
XYZ	16.2661, 19.4965, 9.9287
YIQ	118.3100, 10.0900, -17.6700

Conversions

Conversions Part 2

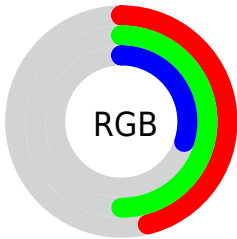
Format	Color
RYB	77, 127, 87
Decimal	7700301
CIELab	51.26, -12.33, 25.95
CIElCh	51, 28.730, 115.410
Yxy	19.4965, 0.3560, 0.4267
Android (android.graphics.Color)	4285890381 (0xFF757F4D)
YUV	118.3100, -20.3658, -1.1489
Hunter-Lab	44.1548, -11.5137, 17.5763

Details

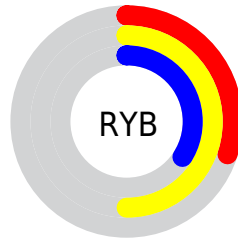
The Yxy color **19.4965, 0.3560, 0.4267** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.8679, 0.2570, 0.2188**, and the grayscale version is **18.2829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7209, 0.3470, 0.4036**, and **6.7767, 0.3705, 0.4688** is the 20% darker color. If you saturate the color by 10%, you get **19.1616, 0.3656, 0.4513**, and if you desaturate by 10%, it is **19.8729, 0.3454, 0.4013**.

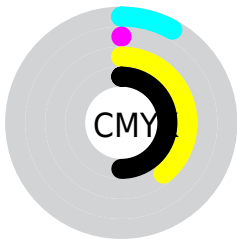
Distribution



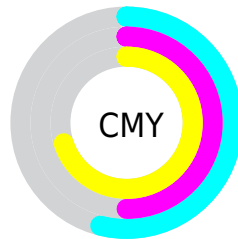
- Red (46%)
- Green (50%)
- Blue (30%)



- Red (30%)
- Yellow (50%)
- Blue (34%)



- Cyan (8%)
- Magenta (0%)
- Yellow (39%)
- Black (50%)




- Cyan (54%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4965, 0.3560, 0.4267 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 19.4965, 0.3560, 0.4267 by changing the saturation by 10% instead.


 19.4965, 0.3560,
0.4267

 19.4965, 0.3560,
0.4267

249.1762, 0.3326,
0.3697


 12.0296, 0.3621,
0.4442


 42.5714, 0.3472,
0.4037

 6.7638, 0.3695,
0.4689


 58.9482, 0.3440,
0.3958

 3.3148, 0.3789,
0.5066

 79.0637, 0.3413,
0.3894

 1.2982, 0.4053,
0.5947

 103.3023, 0.3390,
0.3841

 0.1398, 0.0000,
1.0000

 132.0485, 0.3370,
0.3796

 0.0000, 0.0000,
0.0000

165.6866, 0.3353,

0.3758

204.6010, 0.3339,
0.3726

■ 19.4965, 0.3560,
0.4267

■ 19.4965, 0.3560,
0.4267

■ 19.1616, 0.3656,
0.4513

■ 19.8729, 0.3454,
0.4013

■ 18.8636, 0.3737,
0.4740

■ 20.2902, 0.3343,
0.3759

■ 18.6010, 0.3800,
0.4939

■ 20.7510, 0.3231,
0.3511

■ 18.3712, 0.3840,
0.5103

■ 21.2570, 0.3120,
0.3275

■ 18.1713, 0.3856,
0.5224

■ 21.8097, 0.3014,
0.3054

■ 17.9924, 0.3855,
0.5316

■ 22.4107, 0.2912,
0.2849

■ 17.9812, 0.3855,
0.5321

■ 23.0614, 0.2817,
0.2661

■ 23.7631, 0.2729,
0.2489

■ 24.5171, 0.2648,
0.2333

Harmonies

Analogous

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



19.4965, 0.3992, 0.4101



19.4965, 0.3560, 0.4267



19.4965, 0.3033, 0.4120

Triad

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



19.4965, 0.3560, 0.4267



19.4965, 0.2160, 0.2703



19.4965, 0.3691, 0.2928

Complementary

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



19.4965, 0.3560, 0.4267



8.8679, 0.2570, 0.2188

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.



19.4965, 0.3149, 0.2619



19.4965, 0.3560, 0.4267



19.4965, 0.2298, 0.2476

Square

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



19.4965, 0.3560, 0.4267



19.4965, 0.2248, 0.3133



19.4965, 0.2644, 0.2456



19.4965, 0.4089, 0.3326

Rectangle

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



19.4965, 0.3560, 0.4267



19.4965, 0.2702, 0.3846



19.4965, 0.2644, 0.2456



19.4965, 0.3517, 0.2812

Sweetspot

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



19.4974, 0.3560, 0.4267



36.9104, 0.3264, 0.3583



11.7317, 0.3981, 0.3477



8.6213, 0.3275, 0.3608



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.4974, 0.3560, 0.4267



34.3846, 0.3645, 0.4483



18.0337, 0.3255, 0.4371



4.9774, 0.3228, 0.3505



18.1338, 0.3855, 0.5321



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.8679, 0.2570, 0.2188



12.6069, 0.2416, 0.1906



10.2321, 0.2925, 0.2291



4.2499, 0.3021, 0.3069



1.7583, 0.1620, 0.0666



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.4965, 0.3560, 0.4267 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 19.4965, 0.3560, 0.4267 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 19.4965, 0.3560, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 19.4965, 0.3560, 0.4267.



This preview shows how white text looks on a background with the Yxy color 19.4965, 0.3560, 0.4267.

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

19.4965, 0.3560, 0.4267

Protanopia

19.4136, 0.3827, 0.4150

Deuteranopia

19.4901, 0.4008, 0.3945



Tritanopia

19.5715, 0.3062, 0.3125

Trichromacy



Original Color

19.4965, 0.3560, 0.4267

Protanomaly

19.4491, 0.3721, 0.4192

Deuteranomaly

19.4590, 0.3841, 0.4069

Tritanomaly

19.3786, 0.3240, 0.3520

Monochromacy



Original Color

19.4965, 0.3560, 0.4267

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.5056, 0.3300, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4965, 0.3560, 0.4267 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(117, 127, 77)` looks like.

```
.text, #text, p{  
    color:rgb(117, 127, 77)  
}
```

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(117, 127, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 127, 77) }
```

Border

The CSS property to change the border of an element to Yxy 19.4965, 0.3560, 0.4267 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(117, 127, 77) }
```

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

```
.border{ border-color:rgb(117, 127, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 127, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 127, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 127, 77);  
box-shadow:4px 4px 4px 4px rgb(117, 127,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4965, 0.3560, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 127, 77) }
```

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

```
.background{ background-color: rgb(117,  
127, 77) }
```

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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