

Converting Colors

$Y_{xy}(19.1236, 0.3554, 0.3516)$

Have a look what the booklet for
Yxy(19.1236, 0.3554, 0.3516)
contains.

Yxy(19.1458, 0.3553, 0.3508)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.1458, 0.3553, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	8A7569
RGB	138, 117, 105
RGB Percent	54%, 46%, 41%
CMY	0.4589, 0.5412, 0.5882
CMYK	0.00, 0.15, 0.24, 0.46
HSL	22°, 14%, 48%
HSV	22°, 24%, 54%
XYZ	19.3914, 19.1458, 16.0403
YIQ	121.9110, 16.3680, 0.7200

Conversions

Conversions Part 2

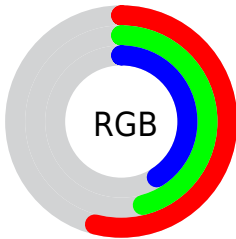
Format	Color
R_{YB}	138, 124, 105
Decimal	9074025
CIE Lab	50.86, 6.17, 9.64
CIE LCh	51, 11.447, 57.390
Yxy	19.1458, 0.3553, 0.3508
Android (android.graphics.Color)	4287264105 (0xFF8A7569)
YUV	121.9110, -8.3371, 14.1101
Hunter-Lab	43.7559, 2.5334, 8.8942

Details

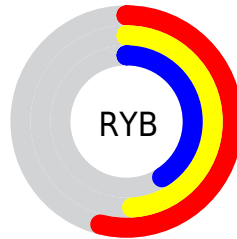
The Yxy color **19.1458, 0.3553, 0.3508** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7583, 0.2769, 0.3061**, and the grayscale version is **19.4556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9827, 0.3458, 0.3462**, and **6.6364, 0.3744, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **16.9345, 0.3781, 0.3605**, and if you desaturate by 10%, it is **21.5968, 0.3356, 0.3413**.

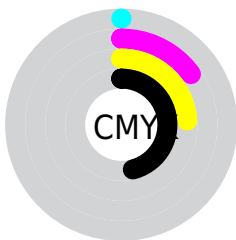
Distribution



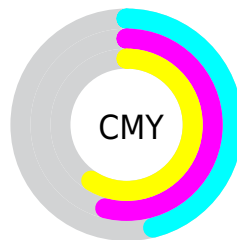
- Red (54%)
- Green (46%)
- Blue (41%)



- Red (54%)
- Yellow (49%)
- Blue (41%)



- Cyan (0%)
- Magenta (15%)
- Yellow (24%)
- Black (46%)




- Cyan (46%)
- Magenta (54%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1458, 0.3553, 0.3508 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 19.1458, 0.3553, 0.3508 by changing the saturation by 10% instead.


 19.1458, 0.3553,
0.3508


 19.1458, 0.3553,
0.3508

247.2525, 0.3307,
0.3386


 11.7757, 0.3629,
0.3543


 41.9803, 0.3454,
0.3460

 6.5911, 0.3737,
0.3592


 58.2135, 0.3420,
0.3443

 3.2077, 0.3903,
0.3663

 78.1698, 0.3392,
0.3430

 1.2411, 0.4236,
0.3814

 102.2337, 0.3370,
0.3418

 0.0949, 0.7173,
0.2827

130.7895, 0.3350,
0.3408

 0.0000, 0.0000,
0.0000

164.2217, 0.3334,

0.3400

202.9145, 0.3320,
0.3393

■ 19.1458, 0.3553,
0.3508

■ 19.1458, 0.3553,
0.3508

■ 16.9345, 0.3781,
0.3605

■ 21.5968, 0.3356,
0.3413

■ 14.9529, 0.4043,
0.3700

■ 24.2919, 0.3186,
0.3324

■ 13.1939, 0.4336,
0.3787

■ 27.2390, 0.3042,
0.3240

■ 11.6490, 0.4654,
0.3856

■ 30.4444, 0.2918,
0.3162

■ 10.3095, 0.4984,
0.3896

■ 33.9145, 0.2811,
0.3091

■ 9.1654, 0.5304,
0.3896

■ 37.6553, 0.2720,
0.3026

■ 8.2059, 0.5590,
0.3849

■ 41.6727, 0.2641,
0.2966

■ 7.7005, 0.5756,
0.3812

■ 45.9724, 0.2573,
0.2912

■ 50.5598, 0.2513,
0.2862

Harmonies

Analogous

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



19.1458, 0.3514, 0.3332



19.1458, 0.3553, 0.3508



19.1458, 0.3473, 0.3634

Triad

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



19.1458, 0.3553, 0.3508



19.1458, 0.2887, 0.3430



19.1458, 0.2946, 0.2936

Complementary

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



19.1458, 0.3553, 0.3508



19.7583, 0.2769, 0.3061

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.



19.1458, 0.2787, 0.2949



19.1458, 0.3553, 0.3508



19.1458, 0.2754, 0.3227

Square

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



19.1458, 0.3553, 0.3508



19.1458, 0.3086, 0.3595



19.1458, 0.2719, 0.3052



19.1458, 0.3158, 0.3010

Rectangle

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



19.1458, 0.3553, 0.3508



19.1458, 0.3366, 0.3670



19.1458, 0.2719, 0.3052



19.1458, 0.2885, 0.2930

Sweetspot

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



19.1467, 0.3553, 0.3508



41.2338, 0.3239, 0.3352



17.0254, 0.3303, 0.2910



9.1981, 0.3246, 0.3356



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.1467, 0.3553, 0.3508



31.4738, 0.3680, 0.3563



23.2093, 0.3492, 0.3783



5.3271, 0.3272, 0.3370



7.0873, 0.5750, 0.3817



0.0732, 0.5033, 0.4386

Inverse Universe

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



19.7583, 0.2769, 0.3061



32.7533, 0.2684, 0.2999



15.9810, 0.2744, 0.2744



5.3877, 0.2991, 0.3209



8.0797, 0.1913, 0.2088



0.0816, 0.2080, 0.2688

Previews

White Background



This preview shows how the Yxy color 19.1458, 0.3553, 0.3508 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 19.1458, 0.3553, 0.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

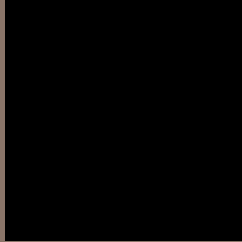
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1458, 0.3553, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 19.1458, 0.3553, 0.3508.

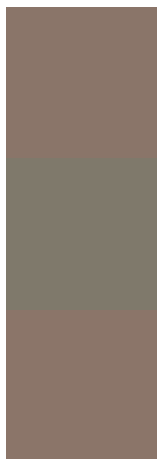


This preview shows how white text looks on a background with the Yxy color 19.1458, 0.3553, 0.3508.

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

19.1458, 0.3553, 0.3508

Protanopia

19.2483, 0.3369, 0.3554

Deuteranopia

19.2315, 0.3567, 0.3507



Tritanopia

19.0401, 0.3357, 0.3132

Trichromacy



Original Color

19.1458, 0.3553, 0.3508

Protanomaly

19.2988, 0.3436, 0.3551

Deuteranomaly

19.2315, 0.3567, 0.3507

Tritanomaly

19.0114, 0.3431, 0.3273

Monochromacy



Original Color

19.1458, 0.3553, 0.3508

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.2831, 0.3275, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1458, 0.3553, 0.3508 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(138, 117, 105)` looks like.

```
.text, #text, p{  
    color:rgb(138, 117, 105)  
}
```

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(138, 117, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 117, 105) }
```

Border

The CSS property to change the border of an element to Yxy 19.1458, 0.3553, 0.3508 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(138, 117, 105) }
```

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

```
.border{ border-color:rgb(138, 117, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 117, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 117, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 117, 105);  
box-shadow:4px 4px 4px 4px rgb(138, 117,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1458, 0.3553, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 117, 105) }
```

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

```
.background{ background-color: rgb(138,  
117, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor