

Converting Colors

$Y_{xy}(19.9198, 0.3562, 0.3408)$

Have a look what the booklet for
Yxy(19.9198, 0.3562, 0.3408)
contains.

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Color

Yxy(19.7996, 0.3556, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	90756F
RGB	144, 117, 111
RGB Percent	56%, 46%, 44%
CMY	0.4353, 0.5412, 0.5647
CMYK	0.00, 0.19, 0.23, 0.44
HSL	11°, 13%, 50%
HSV	11°, 23%, 56%
XYZ	20.7324, 19.7996, 17.7707
YIQ	124.3890, 18.0180, 3.8580

Conversions

Conversions Part 2

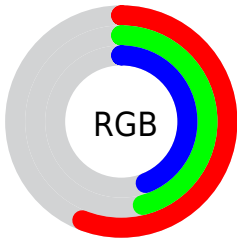
Format	Color
R_{YB}	144, 118, 111
Decimal	9467247
CIE Lab	51.61, 9.56, 7.27
CIE LCh	52, 12.011, 37.255
Yxy	19.7996, 0.3556, 0.3396
Android (android.graphics.Color)	4287657327 (0xFF90756F)
YUV	124.3890, -6.6008, 17.1988
Hunter-Lab	44.4967, 5.2995, 7.4691

Details

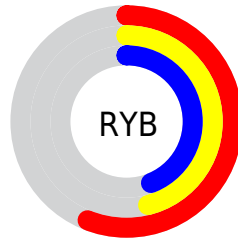
The Yxy color **19.7996, 0.3556, 0.3396** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.5726, 0.2791, 0.3181**, and the grayscale version is **20.3112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0260, 0.3451, 0.3368**, and **6.9423, 0.3746, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **16.9329, 0.3808, 0.3446**, and if you desaturate by 10%, it is **23.0649, 0.3346, 0.3348**.

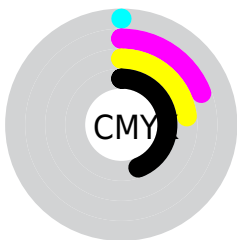
Distribution



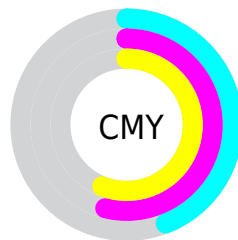
- Red (56%)
- Green (46%)
- Blue (44%)



- Red (56%)
- Yellow (46%)
- Blue (44%)



- Cyan (0%)
- Magenta (19%)
- Yellow (23%)
- Black (44%)





- Cyan (44%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7996, 0.3556, 0.3396 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 19.7996, 0.3556, 0.3396 by changing the saturation by 10% instead.


 19.7996, 0.3556,
0.3396


 19.7996, 0.3556,
0.3396


250.8282, 0.3309,
0.3339


 12.2495, 0.3632,
0.3411


 43.0809, 0.3457,
0.3374


 6.9138, 0.3739,
0.3432


 59.5809, 0.3423,
0.3366

 3.4083, 0.3905,
0.3459

 79.8330, 0.3395,
0.3360

 1.3484, 0.4191,
0.3497

 104.2215, 0.3372,
0.3354

 0.1782, 0.6932,
0.3068

133.1309, 0.3353,
0.3350

 0.0000, 0.0000,
0.0000

166.9455, 0.3336,

0.3346

206.0498, 0.3322,
0.3342

■ 19.7996, 0.3556,
0.3396

■ 19.7996, 0.3556,
0.3396

■ 16.9329, 0.3808,
0.3446

■ 23.0649, 0.3346,
0.3348

■ 14.4470, 0.4108,
0.3494

■ 26.7407, 0.3172,
0.3303

■ 12.3264, 0.4456,
0.3536


■ 30.8413, 0.3028,
0.3261


■ 10.5538, 0.4845,
0.3567


■ 35.3800, 0.2908,
0.3222

■ 9.1103, 0.5255,
0.3577


■ 40.3692, 0.2808,
0.3187

 7.9752, 0.5651,
0.3559

 45.8208, 0.2724,
0.3156

 7.1253, 0.5983,
0.3510

 51.7465, 0.2653,
0.3127

 6.6751, 0.6181,
0.3474

 58.1573, 0.2592,
0.3101

 65.0639, 0.2541,
0.3077

Harmonies

Analogous

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



19.7996, 0.3437, 0.3206



19.7996, 0.3556, 0.3396



19.7996, 0.3555, 0.3567

Triad

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



19.7996, 0.3556, 0.3396



19.7996, 0.3011, 0.3559



19.7996, 0.2820, 0.2921

Complementary

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



19.7996, 0.3556, 0.3396



23.5726, 0.2791, 0.3181

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.



19.7996, 0.2716, 0.2998



19.7996, 0.3556, 0.3396



19.7996, 0.2823, 0.3366

Square

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



19.7996, 0.3556, 0.3396



19.7996, 0.3235, 0.3672



19.7996, 0.2717, 0.3159



19.7996, 0.3008, 0.2939

Rectangle

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



19.7996, 0.3556, 0.3396



19.7996, 0.3487, 0.3647



19.7996, 0.2717, 0.3159



19.7996, 0.2774, 0.2936

Sweetspot

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



19.8005, 0.3556, 0.3396



44.3294, 0.3242, 0.3321



19.1499, 0.3220, 0.2827



10.0910, 0.3250, 0.3324



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



19.8005, 0.3556, 0.3396



32.4892, 0.3668, 0.3419



23.8531, 0.3498, 0.3666



5.5728, 0.3277, 0.3331



5.8396, 0.6172, 0.3481



0.0795, 0.5545, 0.3979

Inverse Universe

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



23.5726, 0.2791, 0.3181



40.2286, 0.2726, 0.3157



19.3145, 0.2769, 0.2883



5.9520, 0.2990, 0.3249



13.0349, 0.2087, 0.2714



0.1527, 0.2172, 0.3018

Previews

White Background



This preview shows how the Yxy color 19.7996, 0.3556, 0.3396 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 19.7996, 0.3556, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

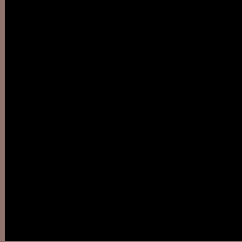
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7996, 0.3556, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 19.7996, 0.3556, 0.3396.



This preview shows how white text looks on a background with the Yxy color 19.7996, 0.3556, 0.3396.

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

19.7996, 0.3556, 0.3396

Protanopia

19.9700, 0.3293, 0.3457

Deuteranopia

19.9168, 0.3496, 0.3433



Tritanopia

19.8277, 0.3421, 0.3137

Trichromacy



Original Color

19.7996, 0.3556, 0.3396

Protanomaly

19.9353, 0.3387, 0.3436

Deuteranomaly

19.7673, 0.3513, 0.3415

Tritanomaly

19.8424, 0.3469, 0.3239

Monochromacy



Original Color

19.7996, 0.3556, 0.3396

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8319, 0.3276, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7996, 0.3556, 0.3396 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(144, 117, 111)` looks like.

```
.text, #text, p{  
    color:rgb(144, 117, 111)  
}
```

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(144, 117, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 117, 111) }
```

Border

The CSS property to change the border of an element to Yxy 19.7996, 0.3556, 0.3396 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(144, 117, 111) }
```

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

```
.border{ border-color:rgb(144, 117, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 117, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 117, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 117, 111);  
box-shadow:4px 4px 4px 4px rgb(144, 117,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7996, 0.3556, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 117, 111) }
```

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

```
.background{ background-color: rgb(144,  
117, 111) }
```

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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