

Converting Colors

$Y_{xy}(20.0054, 0.3651, 0.3789)$

Have a look what the booklet for
Yxy(20.0054, 0.3651, 0.3789)
contains.

Yxy(20.0456, 0.3656, 0.3798)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0456, 0.3656, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	897A5E
RGB	137, 122, 94
RGB Percent	54%, 48%, 37%
CMY	0.4627, 0.5216, 0.6314
CMYK	0.00, 0.11, 0.31, 0.46
HSL	39°, 19%, 45%
HSV	39°, 31%, 54%
XYZ	19.2961, 20.0456, 13.4376
YIQ	123.2930, 17.9280, -5.5280

Conversions

Conversions Part 2

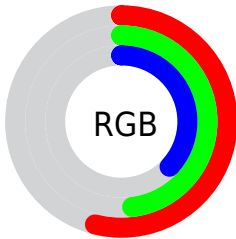
Format	Color
R_{YB}	117, 137, 94
Decimal	9009758
CIE _{Lab}	51.89, 1.24, 17.47
CIE _{LCh}	52, 17.518, 85.938
Yxy	20.0456, 0.3656, 0.3798
Android (android.graphics.Color)	4287199838 (0xFF897A5E)
YUV	123.2930, -14.4414, 12.0210
Hunter-Lab	44.7723, -1.4210, 13.5458

Details

The Yxy color **20.0456, 0.3656, 0.3798** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.1184, 0.2629, 0.2722**, and the grayscale version is **19.9534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3928, 0.3534, 0.3675**, and **7.0894, 0.3850, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **18.6776, 0.3854, 0.3963**, and if you desaturate by 10%, it is **21.5167, 0.3471, 0.3631**.

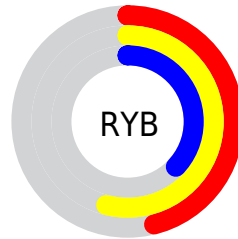
Distribution



Red (54%)

Green (48%)

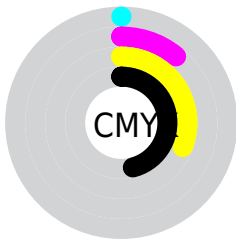
Blue (37%)



Red (46%)

Yellow (54%)

Blue (37%)

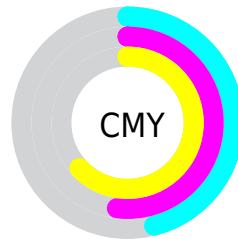


Cyan (0%)

Magenta (11%)

Yellow (31%)

Black (46%)



Cyan (46%)


Magenta (52%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0456, 0.3656, 0.3798 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 20.0456, 0.3656, 0.3798 by changing the saturation by 10% instead.


 20.0456, 0.3656,
0.3798


 20.0456, 0.3656,
0.3798


252.1619, 0.3356,
0.3511


 12.4282, 0.3745,
0.3882


 43.4936, 0.3537,
0.3685


 7.0360, 0.3869,
0.3998


 60.0930, 0.3495,
0.3645

 3.4846, 0.4051,
0.4166

 80.4552, 0.3461,
0.3613

 1.3897, 0.4597,
0.4690

 104.9646, 0.3433,
0.3586

 0.2091, 0.5227,
0.4773

134.0056, 0.3409,
0.3563

 0.0000, 0.0000,
0.0000

167.9625, 0.3389,

0.3543

207.2198, 0.3371,
0.3526

■ 20.0456, 0.3656,
0.3798

■ 20.0456, 0.3656,
0.3798

■ 18.6776, 0.3854,
0.3963

■ 21.5167, 0.3471,
0.3631

■ 17.4069, 0.4060,
0.4118

■ 23.0912, 0.3301,
0.3468

■ 16.2311, 0.4269,
0.4255

■ 24.7727, 0.3147,
0.3311

■ 15.1464, 0.4473,
0.4363

■ 26.5640, 0.3009,
0.3164

■ 14.1489, 0.4661,
0.4433

■ 28.4675, 0.2885,
0.3026

■ 13.2339, 0.4824,
0.4456

■ 30.4856, 0.2775,
0.2898

■ 12.5028, 0.4951,
0.4451

■ 32.6208, 0.2676,
0.2781

■ 34.8752, 0.2589,
0.2673

■ 37.2511, 0.2511,
0.2574

Harmonies

Analogous

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



20.0456, 0.3773, 0.3595



20.0456, 0.3656, 0.3798



20.0456, 0.3398, 0.3871

Triad

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



20.0456, 0.3656, 0.3798



20.0456, 0.2579, 0.3203



20.0456, 0.3153, 0.2869

Complementary

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



20.0456, 0.3656, 0.3798



15.1184, 0.2629, 0.2722

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.



20.0456, 0.2839, 0.2764



20.0456, 0.3656, 0.3798



20.0456, 0.2521, 0.2938

Square

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



20.0456, 0.3656, 0.3798



20.0456, 0.2778, 0.3515



20.0456, 0.2613, 0.2784



20.0456, 0.3475, 0.3072

Rectangle

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



20.0456, 0.3656, 0.3798



20.0456, 0.3184, 0.3823



20.0456, 0.2613, 0.2784



20.0456, 0.3043, 0.2822

Sweetspot

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



20.0465, 0.3656, 0.3798



41.9968, 0.3266, 0.3433



14.4260, 0.3568, 0.3014



9.3351, 0.3287, 0.3453



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.



20.0465, 0.3656, 0.3798



34.0578, 0.3802, 0.3921



23.4894, 0.3505, 0.4064



5.5563, 0.3266, 0.3432



11.6687, 0.4948, 0.4453



0.1050, 0.4542, 0.4775

Inverse Universe

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



15.1184, 0.2629, 0.2722



23.7311, 0.2501, 0.2562



12.5429, 0.2672, 0.2425



5.1590, 0.2991, 0.3144



3.6545, 0.1658, 0.1167



0.0498, 0.1885, 0.1986

Previews

White Background



This preview shows how the Yxy color 20.0456, 0.3656, 0.3798 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 20.0456, 0.3656, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

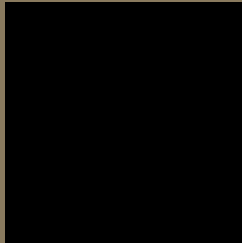
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0456, 0.3656, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 20.0456, 0.3656, 0.3798.



This preview shows how white text looks on a background with the Yxy color 20.0456, 0.3656, 0.3798.

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

20.0456, 0.3656, 0.3798

Protanopia

20.1471, 0.3568, 0.3826

Deuteranopia

20.0396, 0.3766, 0.3711



Tritanopia

20.1519, 0.3312, 0.3134

Trichromacy



Original Color

20.0456, 0.3656, 0.3798

Protanomaly

20.0605, 0.3599, 0.3804

Deuteranomaly

20.0099, 0.3721, 0.3734

Tritanomaly

20.0069, 0.3446, 0.3362

Monochromacy



Original Color

20.0456, 0.3656, 0.3798

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9250, 0.3317, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0456, 0.3656, 0.3798 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(137, 122, 94)` looks like.

```
.text, #text, p{  
    color:rgb(137, 122, 94)  
}
```

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(137, 122, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 122, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.0456, 0.3656, 0.3798 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(137, 122, 94) }
```

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

```
.border{ border-color:rgb(137, 122, 94) }
```

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

Here you see how a box with a 4 pixel rgb(137, 122, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 122, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 122, 94);  
box-shadow:4px 4px 4px 4px rgb(137, 122,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0456, 0.3656, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 122, 94) }
```

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

```
.background{ background-color: rgb(137,  
122, 94) }
```

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