

Converting Colors

$Y_{xy}(20.6950, 0.3614, 0.3493)$

Have a look what the booklet for
Yxy(20.6950, 0.3614, 0.3493)
contains.

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Color

Yxy(20.7187, 0.3622, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	93786C
RGB	147, 120, 108
RGB Percent	58%, 47%, 42%
CMY	0.4236, 0.5294, 0.5764
CMYK	0.00, 0.18, 0.27, 0.42
HSL	18°, 15%, 50%
HSV	18°, 27%, 58%
XYZ	21.4532, 20.7187, 17.0583
YIQ	126.7050, 19.9440, 1.9920

Conversions

Conversions Part 2

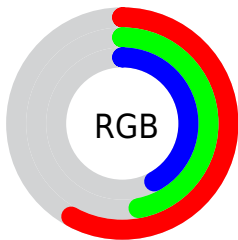
Format	Color
R_{YB}	147, 125, 108
Decimal	9664620
CIE _{Lab}	52.64, 8.57, 10.53
CIE _{LCh}	53, 13.573, 50.864
Yxy	20.7187, 0.3622, 0.3498
Android (android.graphics.Color)	4287854700 (0xFF93786C)
YUV	126.7050, -9.2216, 17.7987
Hunter-Lab	45.5178, 4.4733, 9.6429

Details

The Yxy color $20.7187, 0.3622, 0.3498$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $22.6156, 0.2731, 0.3072$, and the grayscale version is $21.1441, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5648, 0.3518, 0.3456$, and $7.4584, 0.3824, 0.3573$ is the 20% darker color. If you saturate the color by 10%, you get $18.1144, 0.3870, 0.3581$, and if you desaturate by 10%, it is $23.6376, 0.3410, 0.3416$.

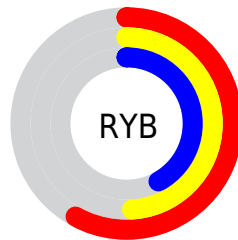
Distribution



Red (58%)

Green (47%)

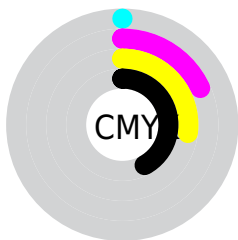
Blue (42%)



Red (58%)

Yellow (49%)

Blue (42%)

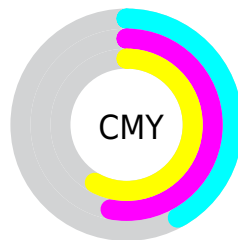


Cyan (0%)

Magenta (18%)

Yellow (27%)

Black (42%)



Cyan (42%)


Magenta (53%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7187, 0.3622, 0.3498 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 20.7187, 0.3622, 0.3498 by changing the saturation by 10% instead.

 20.7187, 0.3622,
0.3498


 20.7187, 0.3622,
0.3498


255.7797, 0.3339,
0.3385

 12.9185, 0.3707,
0.3529


 44.6189, 0.3509,
0.3454


 7.3725, 0.3828,
0.3572


 61.4877, 0.3470,
0.3439

 3.6961, 0.4011,
0.3630

 82.1482, 0.3438,
0.3426

 1.5051, 0.4328,
0.3723

 106.9848, 0.3412,
0.3415

 0.2923, 0.6249,
0.3751

136.3819, 0.3389,
0.3406

 0.0000, 0.0000,
0.0000

170.7238, 0.3370,

0.3398

210.3949, 0.3354,
0.3391

■ 20.7187, 0.3622,
0.3498

■ 20.7187, 0.3622,
0.3498

■ 18.1144, 0.3870,
0.3581

■ 23.6376, 0.3410,
0.3416

■ 15.8111, 0.4156,
0.3661

■ 26.8783, 0.3229,
0.3338

■ 13.7983, 0.4478,
0.3730

■ 30.4517, 0.3077,
0.3265

■ 12.0641, 0.4827,
0.3780

■ 34.3668, 0.2947,
0.3198

■ 10.5952, 0.5185,
0.3798

■ 38.6327, 0.2838,
0.3136

■ 9.3774, 0.5523,
0.3776

■ 43.2580, 0.2744,
0.3080

■ 8.3935, 0.5813,
0.3711

■ 48.2508, 0.2664,
0.3028

■ 8.0983, 0.5911,
0.3689

■ 53.6193, 0.2595,
0.2981

■ 59.3711, 0.2536,
0.2939

Harmonies

Analogous

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



20.7187, 0.3548, 0.3291



20.7187, 0.3622, 0.3498



20.7187, 0.3557, 0.3662

Triad

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



20.7187, 0.3622, 0.3498



20.7187, 0.2894, 0.3500



20.7187, 0.2871, 0.2877

Complementary

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



20.7187, 0.3622, 0.3498



22.6156, 0.2731, 0.3072

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.



20.7187, 0.2709, 0.2914



20.7187, 0.3622, 0.3498



20.7187, 0.2722, 0.3267

Square

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



20.7187, 0.3622, 0.3498



20.7187, 0.3133, 0.3674



20.7187, 0.2656, 0.3052



20.7187, 0.3106, 0.2943

Rectangle

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



20.7187, 0.3622, 0.3498



20.7187, 0.3447, 0.3722



20.7187, 0.2656, 0.3052



20.7187, 0.2807, 0.2878

Sweetspot

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



20.7197, 0.3622, 0.3498



47.1521, 0.3257, 0.3351



18.6855, 0.3303, 0.2833



10.5726, 0.3281, 0.3362



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.7197, 0.3622, 0.3498



34.1851, 0.3770, 0.3549



25.8023, 0.3544, 0.3811



6.0895, 0.3275, 0.3359



7.0630, 0.5901, 0.3697



0.1340, 0.5166, 0.4280

Inverse Universe

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



22.6156, 0.2731, 0.3072



38.1800, 0.2642, 0.3014



17.7401, 0.2698, 0.2708



6.2638, 0.2990, 0.3220



10.0627, 0.1966, 0.2279



0.1756, 0.2110, 0.2796

Previews

White Background



This preview shows how the Yxy color 20.7187, 0.3622, 0.3498 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 20.7187, 0.3622, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

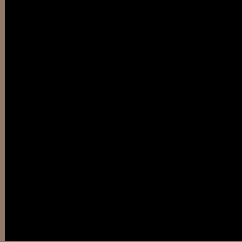
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7187, 0.3622, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 20.7187, 0.3622, 0.3498.

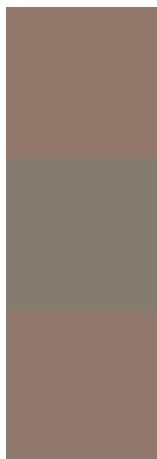


This preview shows how white text looks on a background with the Yxy color 20.7187, 0.3622, 0.3498.

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

20.7187, 0.3622, 0.3498

Protanopia

20.7205, 0.3374, 0.3546

Deuteranopia

20.6867, 0.3579, 0.3518



Tritanopia

20.6185, 0.3429, 0.3140

Trichromacy



Original Color

20.7187, 0.3622, 0.3498

Protanomaly

20.6101, 0.3456, 0.3524

Deuteranomaly

20.7772, 0.3592, 0.3517

Tritanomaly

20.5847, 0.3503, 0.3274

Monochromacy



Original Color

20.7187, 0.3622, 0.3498

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8397, 0.3296, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7187, 0.3622, 0.3498 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(147, 120, 108)` looks like.

```
.text, #text, p{  
    color:rgb(147, 120, 108)  
}
```

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(147, 120, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 120, 108) }
```

Border

The CSS property to change the border of an element to Yxy 20.7187, 0.3622, 0.3498 is called "border". The border property can be set on classes, ids or directly on the HTML element.

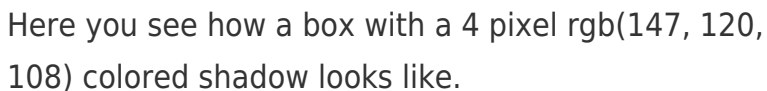
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 120, 108) }
```

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

```
.border{ border-color:rgb(147, 120, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 120, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 120, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 120, 108); box-shadow:4px 4px 4px 4px rgb(147, 120, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7187, 0.3622, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 120, 108) }
```

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

```
.background{ background-color: rgb(147,  
120, 108) }
```

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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