

Converting Colors

$Y_{xy}(20.8465, 0.3806, 0.3291)$

Have a look what the booklet for
Yxy(20.8465, 0.3806, 0.3291)
contains.

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Color

Yxy(20.8950, 0.3812, 0.3292)

Conversions

Conversions Part 1

Format	Color
Hex	A47171
RGB	164, 113, 113
RGB Percent	64%, 44%, 44%
CMY	0.3569, 0.5568, 0.5568
CMYK	0.00, 0.31, 0.31, 0.36
HSL	0°, 22%, 54%
HSV	0°, 31%, 64%
XYZ	24.1955, 20.8950, 18.3815
YIQ	128.2490, 30.3960, 10.8120

Conversions

Conversions Part 2

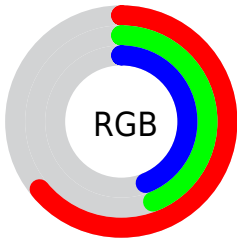
Format	Color
RYB	164, 113, 113
Decimal	10776945
CIELab	52.83, 20.19, 8.14
CIElCh	53, 21.767, 21.972
Yxy	20.8950, 0.3812, 0.3292
Android (android.graphics.Color)	4288967025 (0xFFA47171)
YUV	128.2490, -7.5178, 31.3536
Hunter-Lab	45.7110, 14.4884, 8.1558

Details

The Yxy color **20.8950, 0.3812, 0.3292** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.7415, 0.2691, 0.3289**, and the grayscale version is **21.6966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8425, 0.3653, 0.3292**, and **7.4280, 0.4113, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **17.2246, 0.4146, 0.3293**, and if you desaturate by 10%, it is **25.2953, 0.3539, 0.3291**.

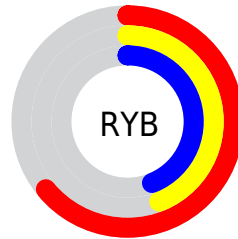
Distribution



Red (64%)

Green (44%)

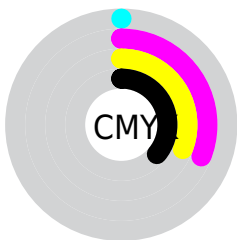
Blue (44%)



Red (64%)

Yellow (44%)

Blue (44%)

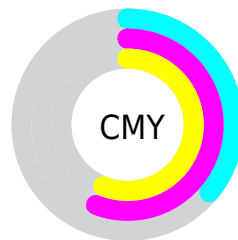


Cyan (0%)

Magenta (31%)

Yellow (31%)

Black (36%)



Cyan (36%)


Magenta (56%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8950, 0.3812, 0.3292 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 20.8950, 0.3812, 0.3292 by changing the saturation by 10% instead.


 20.8950, 0.3812,
0.3292


 20.8950, 0.3812,
0.3292


256.7200, 0.3421,
0.3299


 13.0473, 0.3930,
0.3286


 44.9127, 0.3656,
0.3297


 7.4611, 0.4097,
0.3275


 61.8515, 0.3602,
0.3298

 3.7521, 0.4349,
0.3252

 82.5894, 0.3558,
0.3299

 1.5359, 0.4770,
0.3195

 107.5109, 0.3521,
0.3299

 0.3138, 0.7160,
0.2840

137.0003, 0.3490,
0.3299


 0.0000, 0.0000,
0.0000


171.4420, 0.3464,

0.3299


211.2204, 0.3441,
0.3299


 20.8950, 0.3812,
0.3292


 20.8950, 0.3812,
0.3292


 17.2246, 0.4146,
0.3293


 25.2953, 0.3539,
0.3291


 14.2420, 0.4545,
0.3294


 30.4589, 0.3320,
0.3291


 11.9052, 0.4997,
0.3296


 36.4207, 0.3144,
0.3290


 10.1666, 0.5469,
0.3297


 43.2124, 0.3003,
0.3290

 8.9717, 0.5899,
0.3298

 50.8641, 0.2889,
0.3289

 8.2564, 0.6217,
0.3299

 59.4045, 0.2797,
0.3289

 7.8925, 0.6401,
0.3300

 68.8608, 0.2721,
0.3289

 79.2592, 0.2659,
0.3289

 86.6324, 0.2624,
0.3289

Harmonies

Analogous

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



20.8950, 0.3504, 0.2987



20.8950, 0.3812, 0.3292



20.8950, 0.3922, 0.3614

Triad

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



20.8950, 0.3812, 0.3292



20.8950, 0.3112, 0.3914



20.8950, 0.2479, 0.2690

Complementary

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



20.8950, 0.3812, 0.3292



32.7415, 0.2691, 0.3289

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.



20.8950, 0.2391, 0.2891



20.8950, 0.3812, 0.3292



20.8950, 0.2741, 0.3616

Square

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



20.8950, 0.3812, 0.3292



20.8950, 0.3502, 0.4005



20.8950, 0.2483, 0.3228



20.8950, 0.2731, 0.2649

Rectangle

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



20.8950, 0.3812, 0.3292



20.8950, 0.3867, 0.3803



20.8950, 0.2483, 0.3228



20.8950, 0.2430, 0.2739

Sweetspot

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



20.8960, 0.3812, 0.3292



57.2583, 0.3283, 0.3290



22.3838, 0.3163, 0.2536



12.2061, 0.3310, 0.3291



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.8960, 0.3812, 0.3292



33.3872, 0.4025, 0.3293



27.4059, 0.3693, 0.3687



7.0860, 0.3285, 0.3290



6.0516, 0.6401, 0.3300



0.1272, 0.6401, 0.3300

Inverse Universe

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



32.7415, 0.2691, 0.3289



58.2055, 0.2613, 0.3288



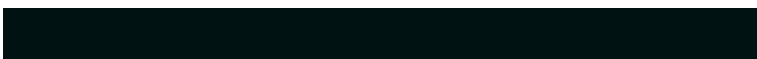
24.5124, 0.2641, 0.2856



8.0113, 0.2988, 0.3290



22.4124, 0.2247, 0.3287



0.4709, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 20.8950, 0.3812, 0.3292 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 20.8950, 0.3812, 0.3292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

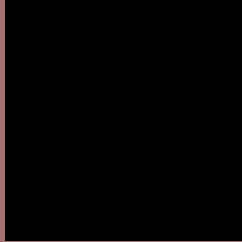
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8950, 0.3812, 0.3292

Background



This preview shows how black text looks on a background with the Yxy color 20.8950, 0.3812, 0.3292.



This preview shows how white text looks on a background with the Yxy color 20.8950, 0.3812, 0.3292.

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

20.8950, 0.3812, 0.3292

Protanopia

21.0236, 0.3243, 0.3399

Deuteranopia

20.9961, 0.3538, 0.3482



Tritanopia

20.9437, 0.3734, 0.3166

Trichromacy



Original Color

20.8950, 0.3812, 0.3292

Protanomaly

20.7099, 0.3441, 0.3361

Deuteranomaly

20.9428, 0.3628, 0.3410

Tritanomaly

20.8720, 0.3775, 0.3213

Monochromacy



Original Color

20.8950, 0.3812, 0.3292

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.2587, 0.3350, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8950, 0.3812, 0.3292 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(164, 113, 113)` looks like.

```
.text, #text, p{  
    color:rgb(164, 113, 113)  
}
```

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(164, 113, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 113, 113) }
```

Border

The CSS property to change the border of an element to Yxy 20.8950, 0.3812, 0.3292 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(164, 113, 113) }
```

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

```
.border{ border-color:rgb(164, 113, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 113, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 113, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 113, 113);  
box-shadow:4px 4px 4px 4px rgb(164, 113,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8950, 0.3812, 0.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 113, 113) }
```

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

```
.background{ background-color: rgb(164,  
113, 113) }
```

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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