

Converting Colors

$Y_{xy}(22.1905, 0.3445, 0.3616)$

Have a look what the booklet for
Yxy(22.1905, 0.3445, 0.3616)
contains.

Yxy(22.2296, 0.3449, 0.3626)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2296, 0.3449, 0.3626)

Conversions

Conversions Part 1

Format	Color
Hex	8A816E
RGB	138, 129, 110
RGB Percent	54%, 51%, 43%
CMY	0.4589, 0.4941, 0.5686
CMYK	0.00, 0.07, 0.20, 0.46
HSL	41°, 11%, 49%
HSV	41°, 20%, 54%
XYZ	21.1445, 22.2296, 17.9320
YIQ	129.5250, 11.4630, -4.0010

Conversions

Conversions Part 2

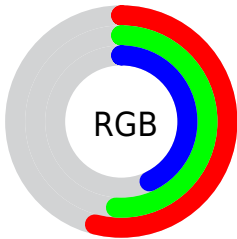
Format	Color
R_{YB}	123, 138, 110
Decimal	9077102
CIE _{Lab}	54.27, 0.08, 11.53
CIE _{LCh}	54, 11.527, 89.622
Yxy	22.2296, 0.3449, 0.3626
Android (android.graphics.Color)	4287267182 (0xFF8A816E)
YUV	129.5250, -9.6258, 7.4326
Hunter-Lab	47.1483, -2.4580, 10.4539

Details

The Yxy color **22.2296, 0.3449, 0.3626** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.3417, 0.2813, 0.2930**, and the grayscale version is **22.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2710, 0.3378, 0.3549**, and **8.1598, 0.3586, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **20.8115, 0.3629, 0.3799**, and if you desaturate by 10%, it is **23.7471, 0.3283, 0.3457**.

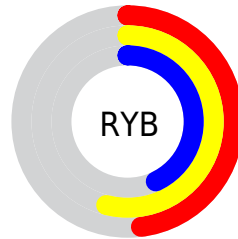
Distribution



Red (54%)

Green (51%)

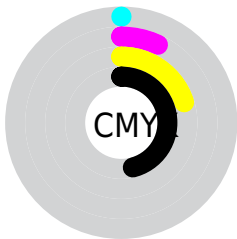
Blue (43%)



Red (48%)

Yellow (54%)

Blue (43%)

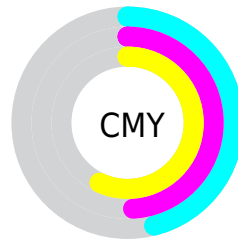


Cyan (0%)

Magenta (7%)

Yellow (20%)

Black (46%)



Cyan (46%)

Magenta (49%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2296, 0.3449, 0.3626 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 22.2296, 0.3449, 0.3626 by changing the saturation by 10% instead.

■ 22.2296, 0.3449,
0.3626

■ 22.2296, 0.3449,
0.3626

263.7430, 0.3268,
0.3438

■ 14.0257, 0.3502,
0.3681

■ 47.1252, 0.3378,
0.3552

■ 8.1385, 0.3576,
0.3758

■ 64.5857, 0.3353,
0.3526

■ 4.1837, 0.3684,
0.3871

■ 85.9005, 0.3333,
0.3505

■ 1.7769, 0.3860,
0.4054

■ 111.4540, 0.3315,
0.3487

■ 0.4727, 0.4883,
0.5117

141.6306, 0.3301,
0.3472

■ 0.0000, 0.0000,
0.0000

176.8147, 0.3289,

0.3459

217.3907, 0.3278,
0.3447

■ 22.2296, 0.3449,
0.3626

■ 22.2296, 0.3449,
0.3626

■ 20.8115, 0.3629,
0.3799

■ 23.7471, 0.3283,
0.3457

■ 19.4870, 0.3821,
0.3971

■ 25.3636, 0.3131,
0.3294

■ 18.2541, 0.4020,
0.4133

■ 27.0826, 0.2994,
0.3141

■ 17.1096, 0.4221,
0.4278

■ 28.9065, 0.2871,
0.2999

■ 16.0500, 0.4415,
0.4395

■ 30.8377, 0.2761,
0.2866

■ 15.0715, 0.4593,
0.4474

■ 32.8783, 0.2663,
0.2745

■ 14.1697, 0.4747,
0.4507

■ 35.0305, 0.2576,
0.2633

■ 13.3546, 0.4879,
0.4508

■ 37.2963, 0.2498,
0.2531

■ 39.6777, 0.2428,
0.2438

Harmonies

Analogous

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



[22.2296](#), [0.3533](#), [0.3511](#)



[22.2296](#), [0.3449](#), [0.3626](#)



[22.2296](#), [0.3279](#), [0.3652](#)

Triad

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



22.2296, 0.3449, 0.3626



22.2296, 0.2764, 0.3216



22.2296, 0.3172, 0.3029

Complementary

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



22.2296, 0.3449, 0.3626



18.3417, 0.2813, 0.2930

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.



22.2296, 0.2968, 0.2952



22.2296, 0.3449, 0.3626



22.2296, 0.2737, 0.3052

Square

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



22.2296, 0.3449, 0.3626



22.2296, 0.2885, 0.3410



22.2296, 0.2810, 0.2959



22.2296, 0.3371, 0.3171

Rectangle

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



22.2296, 0.3449, 0.3626



22.2296, 0.3142, 0.3610



22.2296, 0.2810, 0.2959



22.2296, 0.3102, 0.2995

Sweetspot

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



22.2306, 0.3449, 0.3626



43.0281, 0.3218, 0.3388



17.8969, 0.3387, 0.3124



9.6170, 0.3226, 0.3397



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.



22.2306, 0.3449, 0.3626



38.1132, 0.3524, 0.3699



24.3111, 0.3366, 0.3784



5.5788, 0.3265, 0.3438



12.2744, 0.4876, 0.4510



0.1081, 0.4507, 0.4803

Inverse Universe

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



18.3417, 0.2813, 0.2930



30.0644, 0.2743, 0.2844



16.6124, 0.2858, 0.2762



5.1373, 0.2991, 0.3138



3.3778, 0.1637, 0.1094



0.0467, 0.1862, 0.1903

Previews

White Background



This preview shows how the Yxy color 22.2296, 0.3449, 0.3626 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 22.2296, 0.3449, 0.3626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

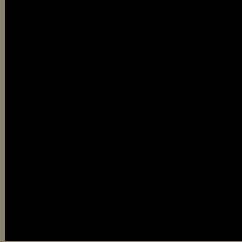
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2296, 0.3449, 0.3626

Background



This preview shows how black text looks on a background with the Yxy color 22.2296, 0.3449, 0.3626.



This preview shows how white text looks on a background with the Yxy color 22.2296, 0.3449, 0.3626.

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

22.2296, 0.3449, 0.3626

Protanopia

22.1447, 0.3437, 0.3628

Deuteranopia

22.2045, 0.3591, 0.3528



Tritanopia

22.0792, 0.3207, 0.3120

Trichromacy



Original Color

22.2296, 0.3449, 0.3626

Protanomaly

22.1447, 0.3437, 0.3628

Deuteranomaly

22.0891, 0.3536, 0.3549

Tritanomaly

22.0035, 0.3296, 0.3291

Monochromacy



Original Color

22.2296, 0.3449, 0.3626

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3819, 0.3239, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2296, 0.3449, 0.3626 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, 129, 110)` looks like.

```
.text, #text, p{  
    color:rgb(138, 129, 110)  
}
```

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, 129, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 129, 110) }
```

Border

The CSS property to change the border of an element to Yxy 22.2296, 0.3449, 0.3626 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, 129, 110) }
```

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

```
.border{ border-color:rgb(138, 129, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 129, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 129, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 129, 110);  
box-shadow:4px 4px 4px 4px rgb(138, 129,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2296, 0.3449, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 129, 110) }
```

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

```
.background{ background-color: rgb(138,  
129, 110) }
```

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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