

Converting Colors

$Y_{xy}(22.1686, 0.3673, 0.4077)$

Have a look what the booklet for
Yxy(22.1686, 0.3673, 0.4077)
contains.

Yxy(22.1550, 0.3676, 0.4074)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.1550, 0.3676, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	888357
RGB	136, 131, 87
RGB Percent	53%, 51%, 34%
CMY	0.4666, 0.4863, 0.6589
CMYK	0.00, 0.04, 0.36, 0.47
HSL	54°, 22%, 44%
HSV	54°, 36%, 53%
XYZ	19.9906, 22.1550, 12.2358
YIQ	127.4790, 17.1040, -12.6240

Conversions

Conversions Part 2

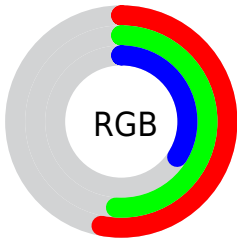
Format	Color
RYB	93, 136, 87
Decimal	8946519
CIELab	54.19, -5.20, 24.51
CIElCh	54, 25.051, 101.978
Yxy	22.1550, 0.3676, 0.4074
Android (android.graphics.Color)	4287136599 (0xFF888357)
YUV	127.4790, -19.9561, 7.4729
Hunter-Lab	47.0691, -6.5606, 17.5357

Details

The Yxy color $22.1550, 0.3676, 0.4074$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $11.4563, 0.2514, 0.2361$, and the grayscale version is $21.4631, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.0343, 0.3562, 0.3906$, and $8.1260, 0.3856, 0.4374$ is the 20% darker color. If you saturate the color by 10%, you get $21.5835, 0.3829, 0.4282$, and if you desaturate by 10%, it is $22.7754, 0.3519, 0.3856$.

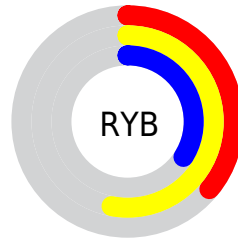
Distribution



Red (53%)

Green (51%)

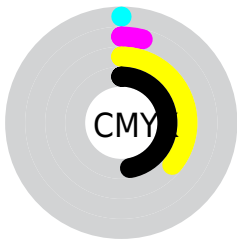
Blue (34%)



Red (36%)

Yellow (53%)

Blue (34%)

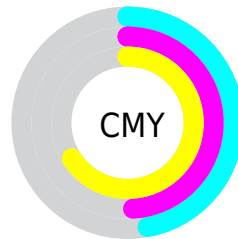


Cyan (0%)

Magenta (4%)

Yellow (36%)

Black (47%)



Cyan (47%)

Magenta (49%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1550, 0.3676, 0.4074 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 22.1550, 0.3676, 0.4074 by changing the saturation by 10% instead.

■ 22.1550, 0.3676,
0.4074

■ 22.1550, 0.3676,
0.4074

■ 263.3547, 0.3375,
0.3632

■ 13.9708, 0.3759,
0.4202

■ 47.0020, 0.3561,
0.3901

■ 8.1004, 0.3868,
0.4377

■ 64.4337, 0.3519,
0.3839

■ 4.1592, 0.4013,
0.4627

■ 85.7167, 0.3485,
0.3789

■ 1.7630, 0.4568,
0.5432

■ 111.2353, 0.3456,
0.3747

■ 0.4640, 0.4037,
0.5963

■ 141.3740, 0.3431,
0.3712

■ 0.0000, 0.0000,
0.0000

176.5172, 0.3410,

0.3682

217.0493, 0.3391,
0.3655

■ 22.1550, 0.3676,
0.4074

■ 22.1550, 0.3676,
0.4074

■ 21.5835, 0.3829,
0.4282

■ 22.7754, 0.3519,
0.3856

■ 21.0556, 0.3974,
0.4471

■ 23.4439, 0.3364,
0.3635

■ 20.5695, 0.4103,
0.4632


■ 24.1635, 0.3214,
0.3418

■ 20.1224, 0.4212,
0.4758


■ 24.9361, 0.3072,
0.3209

■ 19.7110, 0.4297,
0.4843


■ 25.7636, 0.2939,
0.3011


 19.3298, 0.4357,
0.4890

 26.6477, 0.2817,
0.2826

 19.1825, 0.4380,
0.4905

 27.5900, 0.2705,
0.2656

 28.5921, 0.2603,
0.2499

 29.6555, 0.2511,
0.2355

Harmonies

Analogous

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



22.1550, 0.3960, 0.3862



22.1550, 0.3676, 0.4074



22.1550, 0.3256, 0.4064

Triad

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



22.1550, 0.3676, 0.4074



22.1550, 0.2316, 0.2948



22.1550, 0.3404, 0.2853

Complementary

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



22.1550, 0.3676, 0.4074



11.4563, 0.2514, 0.2361

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.



22.1550, 0.2948, 0.2638



22.1550, 0.3676, 0.4074



22.1550, 0.2347, 0.2670

Square

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



22.1550, 0.3676, 0.4074



22.1550, 0.2481, 0.3364



22.1550, 0.2569, 0.2568



22.1550, 0.3805, 0.3169

Rectangle

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



22.1550, 0.3676, 0.4074



22.1550, 0.2959, 0.3909



22.1550, 0.2569, 0.2568



22.1550, 0.3251, 0.2768

Sweetspot

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



22.1560, 0.3676, 0.4074



41.9064, 0.3291, 0.3530



12.8340, 0.3852, 0.3184



9.6713, 0.3309, 0.3555



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.



22.1560, 0.3676, 0.4074



38.2369, 0.3797, 0.4239



22.0960, 0.3419, 0.4223



5.7592, 0.3260, 0.3485



18.1605, 0.4379, 0.4905



0.1323, 0.4278, 0.4985

Inverse Universe

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



11.4563, 0.2514, 0.2361



16.5881, 0.2359, 0.2117



11.6422, 0.2741, 0.2318



4.9692, 0.2991, 0.3088



1.9844, 0.1527, 0.0695



0.0225, 0.1638, 0.1096

Previews

White Background



This preview shows how the Yxy color 22.1550, 0.3676, 0.4074 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 22.1550, 0.3676, 0.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

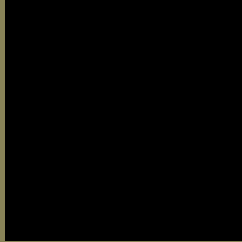
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1550, 0.3676, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 22.1550, 0.3676, 0.4074.



This preview shows how white text looks on a background with the Yxy color 22.1550, 0.3676, 0.4074.

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

22.1550, 0.3676, 0.4074

Protanopia

22.2999, 0.3756, 0.4057

Deuteranopia

22.0884, 0.3953, 0.3883



Tritanopia

22.1673, 0.3219, 0.3121

Trichromacy



Original Color

22.1550, 0.3676, 0.4074

Protanomaly

22.1261, 0.3731, 0.4064

Deuteranomaly

22.1792, 0.3842, 0.3952

Tritanomaly

22.0622, 0.3387, 0.3448

Monochromacy



Original Color

22.1550, 0.3676, 0.4074

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3540, 0.3330, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1550, 0.3676, 0.4074 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(136, 131, 87)` looks like.

```
.text, #text, p{  
    color:rgb(136, 131, 87)  
}
```

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(136, 131, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 131, 87) }
```

Border

The CSS property to change the border of an element to Yxy 22.1550, 0.3676, 0.4074 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(136, 131, 87) }
```

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

```
.border{ border-color:rgb(136, 131, 87) }
```

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

Here you see how a box with a 4 pixel rgb(136, 131, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 131, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 131, 87);  
box-shadow:4px 4px 4px 4px rgb(136, 131,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1550, 0.3676, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 131, 87) }
```

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

```
.background{ background-color: rgb(136,  
131, 87) }
```

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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