

Converting Colors

$Y_{xy}(22.7526, 0.3340, 0.4373)$

Have a look what the booklet for
Yxy(22.7526, 0.3340, 0.4373)
contains.

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Color

Yxy(22.6475, 0.3338, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	6D8C54
RGB	109, 140, 84
RGB Percent	43%, 55%, 33%
CMY	0.5726, 0.4510, 0.6706
CMYK	0.22, 0.00, 0.40, 0.45
HSL	93°, 25%, 44%
HSV	93°, 40%, 55%
XYZ	17.2833, 22.6475, 11.8467
YIQ	124.3470, -0.5000, -23.9880

Conversions

Conversions Part 2

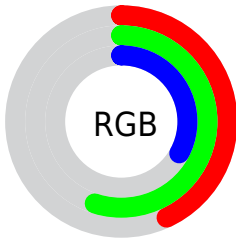
Format	Color
R _Y B	84, 140, 115
Decimal	7179348
CIE Lab	54.71, -21.50, 26.43
CIE LCh	55, 34.073, 129.132
Yxy	22.6475, 0.3338, 0.4374
Android (android.graphics.Color)	4285369428 (0xFF6D8C54)
YUV	124.3470, -19.8911, -13.4593
Hunter-Lab	47.5894, -18.4544, 18.5532

Details

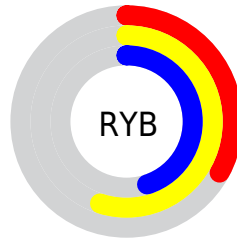
The Yxy color $22.6475, 0.3338, 0.4374$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.8797, 0.2817, 0.2234$, and the grayscale version is $20.3450, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.9862, 0.3311, 0.4127$, and $8.4066, 0.3379, 0.4852$ is the 20% darker color. If you saturate the color by 10%, you get $21.9804, 0.3374, 0.4671$, and if you desaturate by 10%, it is $23.4039, 0.3292, 0.4080$.

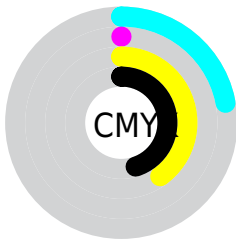
Distribution



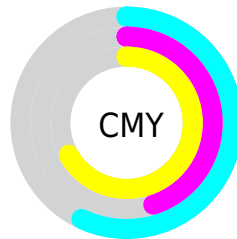
- Red (43%)
- Green (55%)
- Blue (33%)



- Red (33%)
- Yellow (55%)
- Blue (45%)



- Cyan (22%)
- Magenta (0%)
- Yellow (40%)
- Black (45%)




- Cyan (57%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6475, 0.3338, 0.4374 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 22.6475, 0.3338, 0.4374 by changing the saturation by 10% instead.


 22.6475, 0.3338,
0.4374

 22.6475, 0.3338,
0.4374


265.9093, 0.3238,
0.3744


 14.3334, 0.3356,
0.4567


 47.8139, 0.3305,
0.4120


 8.3529, 0.3371,
0.4839


 65.4350, 0.3291,
0.4033

 4.3216, 0.3369,
0.5247

 86.9272, 0.3279,
0.3962

 1.8550, 0.3583,
0.6417

 112.6750, 0.3269,
0.3903

 0.5211, 0.0000,
1.0000

 143.0627, 0.3260,
0.3854

 0.0000, 0.0000,
0.0000

178.4747, 0.3251,

0.3812

219.2954, 0.3244,
0.3776

■ 22.6475, 0.3338,
0.4374

■ 22.6475, 0.3338,
0.4374

■ 21.9804, 0.3374,
0.4671

■ 23.4039, 0.3292,
0.4080

■ 21.3958, 0.3396,
0.4959

■ 24.2500, 0.3240,
0.3798

■ 20.8906, 0.3402,
0.5222


■ 25.1901, 0.3184,
0.3533

■ 20.4603, 0.3388,
0.5447


■ 26.2273, 0.3127,
0.3290


■ 20.0999, 0.3355,
0.5621


■ 27.3645, 0.3071,
0.3069

 19.7974, 0.3311,
0.5753

 28.6046, 0.3017,
0.2871

 29.9503, 0.2965,
0.2693

 31.4040, 0.2916,
0.2534

 32.9684, 0.2871,
0.2393

Harmonies

Analogous

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



22.6475, 0.3893, 0.4321



22.6475, 0.3338, 0.4374



22.6475, 0.2755, 0.4036

Triad

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



22.6475, 0.3338, 0.4374



22.6475, 0.2090, 0.2484



22.6475, 0.4002, 0.3076

Complementary

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



22.6475, 0.3338, 0.4374



11.8797, 0.2817, 0.2234

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.



22.6475, 0.3435, 0.2682



22.6475, 0.3338, 0.4374



22.6475, 0.2350, 0.2345

Square

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



22.6475, 0.3338, 0.4374



22.6475, 0.2071, 0.2860



22.6475, 0.2825, 0.2423



22.6475, 0.4313, 0.3536

Rectangle

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



22.6475, 0.3338, 0.4374



22.6475, 0.2430, 0.3648



22.6475, 0.2825, 0.2423



22.6475, 0.3832, 0.2934

Sweetspot

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



22.6485, 0.3338, 0.4374



44.0194, 0.3197, 0.3591



18.4324, 0.3865, 0.3846



10.0999, 0.3203, 0.3620



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.6485, 0.3338, 0.4374



38.8586, 0.3371, 0.4642



21.3276, 0.3048, 0.4408



5.7103, 0.3179, 0.3511



17.6004, 0.3315, 0.5750



0.1254, 0.3661, 0.5475

Inverse Universe

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



11.8797, 0.2817, 0.2234



17.1451, 0.2724, 0.1982



13.7281, 0.3211, 0.2381



5.0198, 0.3071, 0.3070



3.1162, 0.2158, 0.0962



0.0294, 0.2621, 0.1218

Previews

White Background



This preview shows how the Yxy color 22.6475, 0.3338, 0.4374 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 22.6475, 0.3338, 0.4374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

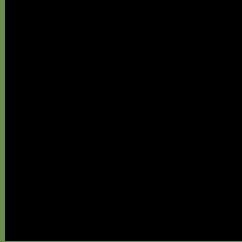
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6475, 0.3338, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 22.6475, 0.3338, 0.4374.



This preview shows how white text looks on a background with the Yxy color 22.6475, 0.3338, 0.4374.

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

22.6475, 0.3338, 0.4374

Protanopia

22.6514, 0.3840, 0.4164

Deuteranopia

22.4233, 0.3971, 0.3911



Tritanopia

22.6402, 0.2855, 0.3093

Trichromacy



Original Color

22.6475, 0.3338, 0.4374

Protanomaly

22.4696, 0.3659, 0.4244

Deuteranomaly

22.1261, 0.3731, 0.4064

Tritanomaly

22.6583, 0.3038, 0.3551

Monochromacy



Original Color

22.6475, 0.3338, 0.4374

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.9913, 0.3225, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6475, 0.3338, 0.4374 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(109, 140, 84)` looks like.

```
.text, #text, p{  
    color:rgb(109, 140, 84)  
}
```

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(109, 140, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 140, 84) }
```

Border

The CSS property to change the border of an element to Yxy 22.6475, 0.3338, 0.4374 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(109, 140, 84) }
```

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

```
.border{ border-color:rgb(109, 140, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 140, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 140, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 140, 84);  
box-shadow:4px 4px 4px 4px rgb(109, 140,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6475, 0.3338, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 140, 84) }
```

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

```
.background{ background-color: rgb(109,  
140, 84) }
```

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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