

Converting Colors

$Y_{xy}(22.7717, 0.3256, 0.4318)$

Have a look what the booklet for
Yxy(22.7717, 0.3256, 0.4318)
contains.

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Color

Yxy(22.7576, 0.3254, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	698D58
RGB	105, 141, 88
RGB Percent	41%, 55%, 35%
CMY	0.5881, 0.4471, 0.6549
CMYK	0.26, 0.00, 0.38, 0.45
HSL	101°, 23%, 45%
HSV	101°, 38%, 55%
XYZ	17.1142, 22.7576, 12.7226
YIQ	124.1940, -4.4430, -24.1150

Conversions

Conversions Part 2

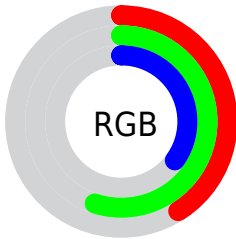
Format	Color
R_{YB}	88, 141, 124
Decimal	6917464
CIE _{Lab}	54.82, -22.92, 24.33
CIE _{LCh}	55, 33.428, 133.296
Yxy	22.7576, 0.3254, 0.4327
Android (android.graphics.Color)	4285107544 (0xFF698D58)
YUV	124.1940, -17.8436, -16.8331
Hunter-Lab	47.7049, -19.4465, 17.5812

Details

The Yxy color $22.7576, 0.3254, 0.4327$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.1852, 0.2931, 0.2327$, and the grayscale version is $20.2879, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.0333, 0.3239, 0.4093$, and $8.4830, 0.3264, 0.4796$ is the 20% darker color. If you saturate the color by 10%, you get $21.9996, 0.3274, 0.4640$, and if you desaturate by 10%, it is $23.6280, 0.3226, 0.4023$.

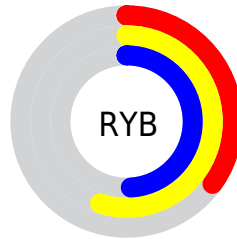
Distribution



Red (41%)

Green (55%)

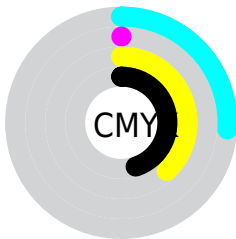
Blue (35%)



Red (35%)

Yellow (55%)

Blue (49%)

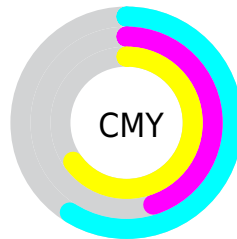


Cyan (26%)

Magenta (0%)

Yellow (38%)

Black (45%)



Cyan (59%)


Magenta (45%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7576, 0.3254, 0.4327 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 22.7576, 0.3254, 0.4327 by changing the saturation by 10% instead.


 22.7576, 0.3254,
0.4327


 22.7576, 0.3254,
0.4327


266.4775, 0.3199,
0.3723


 14.4146, 0.3260,
0.4514


 47.9950, 0.3238,
0.4083


 8.4096, 0.3260,
0.4779


 65.6582, 0.3231,
0.3999

 4.3581, 0.3239,
0.5181

 87.1970, 0.3224,
0.3931

 1.8759, 0.3399,
0.6313

 112.9956, 0.3218,
0.3875

 0.5338, 0.0000,
1.0000

 143.4386, 0.3212,
0.3828

 0.0000, 0.0000,
0.0000

178.9104, 0.3208,

0.3788

219.7952, 0.3203,
0.3753

■ 22.7576, 0.3254,
0.4327

■ 22.7576, 0.3254,
0.4327

■ 21.9996, 0.3274,
0.4640

■ 23.6280, 0.3226,
0.4023

■ 21.3463, 0.3284,
0.4949

■ 24.6122, 0.3192,
0.3737

■ 20.7936, 0.3280,
0.5239


■ 25.7155, 0.3156,
0.3473


■ 20.3357, 0.3261,
0.5490


■ 26.9419, 0.3118,
0.3235

■ 19.9663, 0.3227,
0.5688


■ 28.2952, 0.3081,
0.3021

 19.6755, 0.3183,
0.5830

 29.7788, 0.3044,
0.2831

 19.6139, 0.3174,
0.5862

 31.3964, 0.3009,
0.2663

 33.1513, 0.2976,
0.2514

 35.0466, 0.2945,
0.2383

Harmonies

Analogous

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



22.7576, 0.3811, 0.4328



22.7576, 0.3254, 0.4327



22.7576, 0.2691, 0.3948

Triad

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



22.7576, 0.3254, 0.4327



22.7576, 0.2131, 0.2467



22.7576, 0.4045, 0.3141

Complementary

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



22.7576, 0.3254, 0.4327



13.1852, 0.2931, 0.2327

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.



22.7576, 0.3514, 0.2741



22.7576, 0.3254, 0.4327



22.7576, 0.2418, 0.2361

Square

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



22.7576, 0.3254, 0.4327



22.7576, 0.2078, 0.2805



22.7576, 0.2910, 0.2464



22.7576, 0.4304, 0.3597

Rectangle

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



22.7576, 0.3254, 0.4327



22.7576, 0.2388, 0.3555



22.7576, 0.2910, 0.2464



22.7576, 0.3890, 0.2998

Sweetspot

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



22.7586, 0.3254, 0.4327



45.3080, 0.3169, 0.3567



20.6154, 0.3774, 0.3916



10.0679, 0.3173, 0.3597



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.



22.7586, 0.3254, 0.4327



39.6066, 0.3272, 0.4589



21.9837, 0.2998, 0.4198



6.1082, 0.3162, 0.3514



17.8926, 0.3176, 0.5860



0.1819, 0.3503, 0.5600

Inverse Universe

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



13.1852, 0.2931, 0.2327



19.9211, 0.2872, 0.2105



14.3123, 0.3293, 0.2527



5.4254, 0.3089, 0.3070



4.0149, 0.2431, 0.1113



0.0503, 0.2806, 0.1320

Previews

White Background



This preview shows how the Yxy color 22.7576, 0.3254, 0.4327 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 22.7576, 0.3254, 0.4327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

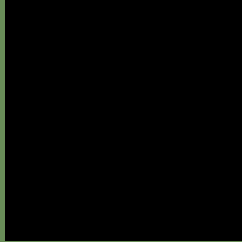
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7576, 0.3254, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 22.7576, 0.3254, 0.4327.



This preview shows how white text looks on a background with the Yxy color 22.7576, 0.3254, 0.4327.

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

22.7576, 0.3254, 0.4327

Protanopia

22.6235, 0.3785, 0.4102

Deuteranopia

22.5079, 0.3911, 0.3832



Tritanopia

22.6719, 0.2806, 0.3092

Trichromacy



Original Color

22.7576, 0.3254, 0.4327

Protanomaly

22.6510, 0.3588, 0.4198

Deuteranomaly

22.3063, 0.3644, 0.4000

Tritanomaly

22.7261, 0.2976, 0.3534

Monochromacy



Original Color

22.7576, 0.3254, 0.4327

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8949, 0.3180, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7576, 0.3254, 0.4327 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(105, 141, 88)` looks like.

```
.text, #text, p{  
    color:rgb(105, 141, 88)  
}
```

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(105, 141, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 141, 88) }
```

Border

The CSS property to change the border of an element to Yxy 22.7576, 0.3254, 0.4327 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(105, 141, 88) }
```

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

```
.border{ border-color:rgb(105, 141, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 141, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 141, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 141, 88);  
box-shadow:4px 4px 4px 4px rgb(105, 141,  
88) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.7576, 0.3254, 0.4327$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 141, 88) }
```

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

```
.background{ background-color: rgb(105,  
141, 88) }
```

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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