

Converting Colors

$Y_{xy}(22.7580, 0.2747, 0.3690)$

Have a look what the booklet for
Yxy(22.7580, 0.2747, 0.3690)
contains.

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Color

$\text{Yxy}(22.6360, 0.2744, 0.3688)$

Conversions

Conversions Part 1

Format	Color
Hex	548E7A
RGB	84, 142, 122
RGB Percent	33%, 56%, 48%
CMY	0.6706, 0.4431, 0.5215
CMYK	0.41, 0.00, 0.14, 0.44
HSL	159°, 26%, 44%
HSV	159°, 41%, 56%
XYZ	16.8420, 22.6360, 21.8995
YIQ	122.3780, -28.1480, -18.5160

Conversions

Conversions Part 2

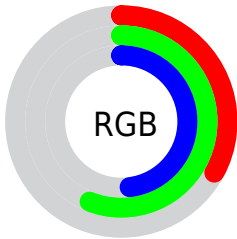
Format	Color
R_{YB}	84, 119, 142
Decimal	5541498
CIE _{Lab}	54.70, -23.88, 4.71
CIE _{LCh}	55, 24.344, 168.848
Yxy	22.6360, 0.2744, 0.3688
Android (android.graphics.Color)	4283731578 (0xFF548E7A)
YUV	122.3780, -0.1864, -33.6575
Hunter-Lab	47.5773, -20.0728, 6.0134

Details

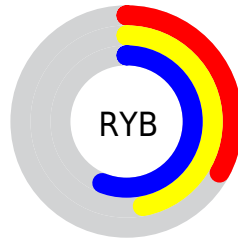
The Yxy color **22.6360, 0.2744, 0.3688** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.0888, 0.3768, 0.2932**, and the grayscale version is **19.5996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7701, 0.2831, 0.3603**, and **8.2865, 0.2595, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **21.9286, 0.2673, 0.3806**, and if you desaturate by 10%, it is **23.4842, 0.2827, 0.3578**.

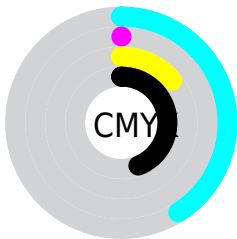
Distribution



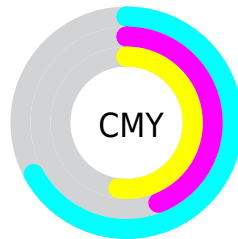
- Red (33%)
- Green (56%)
- Blue (48%)



- Red (33%)
- Yellow (47%)
- Blue (56%)



- Cyan (41%)
- Magenta (0%)
- Yellow (14%)
- Black (44%)





- Cyan (67%)
- Magenta (44%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6360, 0.2744, 0.3688 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 22.6360, 0.2744, 0.3688 by changing the saturation by 10% instead.


 22.6360, 0.2744,
0.3688


 22.6360, 0.2744,
0.3688


265.8499, 0.2960,
0.3461


 14.3250, 0.2680,
0.3757


 47.7949, 0.2830,
0.3597


 8.3470, 0.2589,
0.3855


 65.4116, 0.2860,
0.3565

 4.3178, 0.2454,
0.4005

 86.8990, 0.2884,
0.3540

 1.8529, 0.2229,
0.4262

 112.6415, 0.2905,
0.3519

 0.5198, 0.0000,
0.6870

 143.0234, 0.2922,
0.3501

 0.0000, 0.0000,
0.0000

178.4292, 0.2936,

0.3485

219.2432, 0.2949,
0.3472

■ 22.6360, 0.2744,
0.3688

■ 22.6360, 0.2744,
0.3688

■ 21.9286, 0.2673,
0.3806

■ 23.4842, 0.2827,
0.3578

■ 21.3511, 0.2617,
0.3929

■ 24.4779, 0.2919,
0.3475

■ 20.8952, 0.2577,
0.4057


■ 25.6250, 0.3017,
0.3382

■ 20.5509, 0.2556,
0.4186


■ 26.9319, 0.3118,
0.3297


■ 20.3061, 0.2555,
0.4315

■ 28.4048, 0.3222,
0.3221

 20.1389, 0.2564,
0.4432

 30.0495, 0.3325,
0.3153

 31.8714, 0.3427,
0.3093

 33.8759, 0.3527,
0.3040

 36.0679, 0.3623,
0.2994

Harmonies

Analogous

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



22.6360, 0.3153, 0.3996



22.6360, 0.2744, 0.3688



22.6360, 0.2450, 0.3263

Triad

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



22.6360, 0.2744, 0.3688



22.6360, 0.2661, 0.2593



22.6360, 0.3993, 0.3602

Complementary

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



22.6360, 0.2744, 0.3688



13.0888, 0.3768, 0.2932

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.



22.6360, 0.3847, 0.3253



22.6360, 0.2744, 0.3688



22.6360, 0.3053, 0.2696

Square

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



22.6360, 0.2744, 0.3688



22.6360, 0.2406, 0.2653



22.6360, 0.3493, 0.2931



22.6360, 0.3886, 0.3904

Rectangle

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



22.6360, 0.2744, 0.3688



22.6360, 0.2350, 0.2998



22.6360, 0.3493, 0.2931



22.6360, 0.3972, 0.3487

Sweetspot

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



22.6369, 0.2744, 0.3688



44.8862, 0.3003, 0.3394



22.9476, 0.3280, 0.4423



9.9739, 0.2992, 0.3404



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.



22.6369, 0.2744, 0.3688



38.7625, 0.2678, 0.3796



20.6950, 0.2557, 0.3119



6.0852, 0.3033, 0.3367



18.0843, 0.2563, 0.4426



0.1771, 0.2403, 0.3850

Inverse Universe

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



13.0888, 0.3768, 0.2932



19.5530, 0.3989, 0.2855



14.1654, 0.4054, 0.3451



5.4528, 0.3231, 0.3214



5.3650, 0.5534, 0.2822



0.0551, 0.4482, 0.2243

Previews

White Background



This preview shows how the Yxy color 22.6360, 0.2744, 0.3688 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 22.6360, 0.2744, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

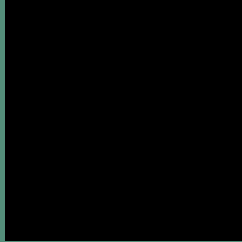
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6360, 0.2744, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 22.6360, 0.2744, 0.3688.

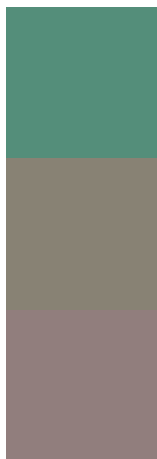


This preview shows how white text looks on a background with the Yxy color 22.6360, 0.2744, 0.3688.

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

22.6360, 0.2744, 0.3688

Protanopia

22.4605, 0.3353, 0.3538

Deuteranopia

22.4221, 0.3369, 0.3308



Tritanopia

22.5710, 0.2572, 0.3084

Trichromacy



Original Color

22.6360, 0.2744, 0.3688

Protanomaly

22.1401, 0.3102, 0.3590

Deuteranomaly

22.1687, 0.3109, 0.3436

Tritanomaly

22.4040, 0.2630, 0.3289

Monochromacy



Original Color

22.6360, 0.2744, 0.3688

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.2938, 0.2962, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6360, 0.2744, 0.3688 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(84, 142, 122)` looks like.

```
.text, #text, p{  
    color:rgb(84, 142, 122)  
}
```

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(84, 142, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 142, 122) }
```

Border

The CSS property to change the border of an element to Yxy 22.6360, 0.2744, 0.3688 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(84, 142, 122) }
```

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

```
.border{ border-color:rgb(84, 142, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 142, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 142, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 142, 122);  
box-shadow:4px 4px 4px 4px rgb(84, 142,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6360, 0.2744, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 142, 122) }
```

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

```
.background{ background-color: rgb(84, 142,  
122) }
```

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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