

Converting Colors

$Y_{xy}(22.0979, 0.2748, 0.3599)$

Have a look what the booklet for
Yxy(22.0979, 0.2748, 0.3599)
contains.

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Color

$\text{Yxy}(22.2376, 0.2749, 0.3607)$

Conversions

Conversions Part 1

Format	Color
Hex	578C7C
RGB	87, 140, 124
RGB Percent	34%, 55%, 49%
CMY	0.6587, 0.4510, 0.5137
CMYK	0.38, 0.00, 0.11, 0.45
HSL	162°, 23%, 45%
HSV	162°, 38%, 55%
XYZ	16.9479, 22.2376, 22.4657
YIQ	122.3290, -26.4520, -16.2120

Conversions

Conversions Part 2

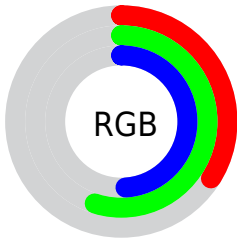
Format	Color
R_{YB}	87, 118, 140
Decimal	5737596
CIE _{Lab}	54.28, -21.50, 2.99
CIE _{LCh}	54, 21.705, 172.088
Yxy	22.2376, 0.2749, 0.3607
Android (android.graphics.Color)	4283927676 (0xFF578C7C)
YUV	122.3290, 0.8238, -30.9835
Hunter-Lab	47.1568, -18.3722, 4.7637

Details

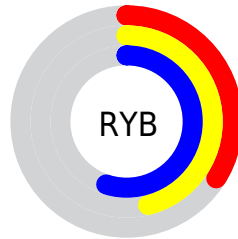
The Yxy color $22.2376, 0.2749, 0.3607$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $13.3757, 0.3739, 0.2999$, and the grayscale version is $19.5810, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.2071, 0.2836, 0.3545$, and $8.2136, 0.2604, 0.3760$ is the 20% darker color. If you saturate the color by 10%, you get $21.5238, 0.2670, 0.3707$, and if you desaturate by 10%, it is $23.0885, 0.2839, 0.3513$.

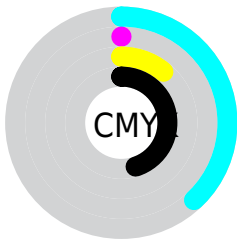
Distribution



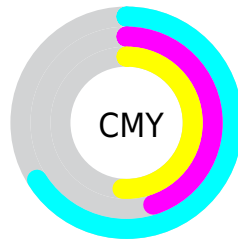
- Red (34%)
- Green (55%)
- Blue (49%)



- Red (34%)
- Yellow (46%)
- Blue (55%)



- Cyan (38%)
- Magenta (0%)
- Yellow (11%)
- Black (45%)




- Cyan (66%)
- Magenta (45%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2376, 0.2749, 0.3607 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 22.2376, 0.2749, 0.3607 by changing the saturation by 10% instead.


 22.2376, 0.2749,
0.3607


 22.2376, 0.2749,
0.3607


263.7846, 0.2962,
0.3427


 14.0316, 0.2686,
0.3662


 47.1384, 0.2833,
0.3535

 8.1426, 0.2597,
0.3739

 64.6019, 0.2863,
0.3510


 4.1864, 0.2465,
0.3856

 85.9202, 0.2887,
0.3490

 1.7783, 0.2246,
0.4055

 111.4774, 0.2907,
0.3473

 0.4736, 0.0000,
0.6069

 141.6581, 0.2924,
0.3459

 0.0000, 0.0000,
0.0000

176.8465, 0.2939,

0.3446

217.4273, 0.2951,
0.3436

■ 22.2376, 0.2749,
0.3607

■ 22.2376, 0.2749,
0.3607

■ 21.5238, 0.2670,
0.3707

■ 23.0885, 0.2839,
0.3513

■ 20.9367, 0.2606,
0.3813

■ 24.0809, 0.2938,
0.3426

■ 20.4689, 0.2557,
0.3922


■ 25.2221, 0.3043,
0.3347


■ 20.1108, 0.2527,
0.4033

■ 26.5183, 0.3151,
0.3275

■ 19.8516, 0.2516,
0.4145


■ 27.9753, 0.3260,
0.3211


 19.6690, 0.2521,
0.4256

 29.5985, 0.3370,
0.3153

 19.6322, 0.2522,
0.4281

 31.3932, 0.3478,
0.3102

 33.3642, 0.3583,
0.3058

 35.5166, 0.3685,
0.3019

Harmonies

Analogous

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



22.2376, 0.3111, 0.3898



22.2376, 0.2749, 0.3607



22.2376, 0.2497, 0.3228

Triad

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



22.2376, 0.2749, 0.3607



22.2376, 0.2741, 0.2663



22.2376, 0.3903, 0.3609

Complementary

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



22.2376, 0.2749, 0.3607



13.3757, 0.3739, 0.2999

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.



22.2376, 0.3797, 0.3294



22.2376, 0.2749, 0.3607



22.2376, 0.3105, 0.2770

Square

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



22.2376, 0.2749, 0.3607



22.2376, 0.2494, 0.2703



22.2376, 0.3497, 0.2995



22.2376, 0.3787, 0.3869

Rectangle

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



22.2376, 0.2749, 0.3607



22.2376, 0.2418, 0.2997



22.2376, 0.3497, 0.2995



22.2376, 0.3893, 0.3506

Sweetspot

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



22.2385, 0.2749, 0.3607



43.7556, 0.3006, 0.3373



22.3756, 0.3252, 0.4335



10.0271, 0.2994, 0.3382



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.



22.2385, 0.2749, 0.3607



38.1685, 0.2684, 0.3688



19.9627, 0.2590, 0.3098



5.6633, 0.3029, 0.3357



17.4479, 0.2521, 0.4275



0.1185, 0.2380, 0.3768

Inverse Universe

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



13.3757, 0.3739, 0.2999



20.3234, 0.3937, 0.2938



14.7648, 0.3946, 0.3471



5.0719, 0.3236, 0.3224



5.1077, 0.5687, 0.2906



0.0363, 0.4633, 0.2326

Previews

White Background



This preview shows how the Yxy color 22.2376, 0.2749, 0.3607 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 22.2376, 0.2749, 0.3607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

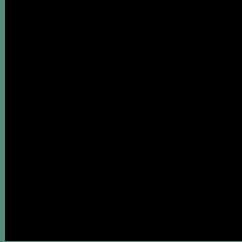
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2376, 0.2749, 0.3607

Background



This preview shows how black text looks on a background with the Yxy color 22.2376, 0.2749, 0.3607.



This preview shows how white text looks on a background with the Yxy color 22.2376, 0.2749, 0.3607.

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

22.2376, 0.2749, 0.3607

Protanopia

22.0769, 0.3309, 0.3486

Deuteranopia

21.9503, 0.3311, 0.3256



Tritanopia

22.3566, 0.2594, 0.3084

Trichromacy



Original Color

22.2376, 0.2749, 0.3607

Protanomaly

21.9130, 0.3082, 0.3533

Deuteranomaly

21.6092, 0.3078, 0.3363

Tritanomaly

22.2652, 0.2652, 0.3269

Monochromacy



Original Color

22.2376, 0.2749, 0.3607

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.3818, 0.2963, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2376, 0.2749, 0.3607 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(87, 140, 124)` looks like.

```
.text, #text, p{  
    color:rgb(87, 140, 124)  
}
```

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(87, 140, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 140, 124) }
```

Border

The CSS property to change the border of an element to Yxy 22.2376, 0.2749, 0.3607 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(87, 140, 124) }
```

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

```
.border{ border-color:rgb(87, 140, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 140, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 140, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 140, 124);  
box-shadow:4px 4px 4px 4px rgb(87, 140,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2376, 0.2749, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 140, 124) }
```

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

```
.background{ background-color: rgb(87, 140,  
124) }
```

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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