

Converting Colors

$Yxy(21.9467, 0.2747, 0.3588)$

Have a look what the booklet for
Yxy(21.9467, 0.2747, 0.3588)
contains.

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Color

Yxy(21.9467, 0.2747, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	578B7C
RGB	87, 139, 124
RGB Percent	34%, 55%, 49%
CMY	0.6587, 0.4549, 0.5137
CMYK	0.37, 0.00, 0.11, 0.45
HSL	163°, 23%, 44%
HSV	163°, 37%, 55%
XYZ	16.8026, 21.9467, 22.4177
YIQ	121.7420, -26.1770, -15.6890

Conversions

Conversions Part 2

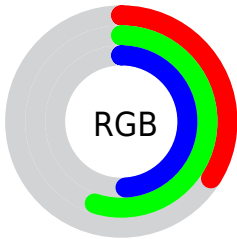
Format	Color
R_YB	87, 117, 139
Decimal	5737340
CIE _{Lab}	53.97, -20.98, 2.54
CIE _{LCh}	54, 21.132, 173.093
Yxy	21.9467, 0.2747, 0.3588
Android (android.graphics.Color)	4283927420 (0xFF578B7C)
YUV	121.7420, 1.1132, -30.4687
Hunter-Lab	46.8473, -17.9608, 4.4213

Details

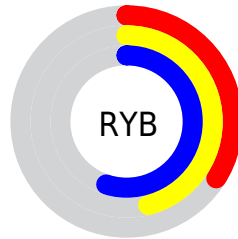
The Yxy color **21.9467, 0.2747, 0.3588** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.2692, 0.3740, 0.3016**, and the grayscale version is **19.3783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7635, 0.2836, 0.3531**, and **8.0461, 0.2599, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **21.2420, 0.2666, 0.3683**, and if you desaturate by 10%, it is **22.7861, 0.2839, 0.3499**.

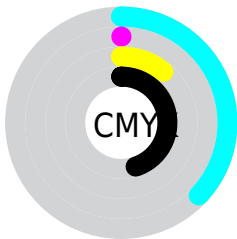
Distribution



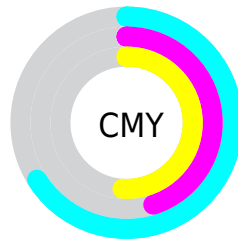
- Red (34%)
- Green (55%)
- Blue (49%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (11%)
- Black (45%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9467, 0.2747, 0.3588 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 21.9467, 0.2747, 0.3588 by changing the saturation by 10% instead.

■ 21.9467, 0.2747,
0.3588

■ 21.9467, 0.2747,
0.3588

■ 262.2678, 0.2961,
0.3418

■ 13.8177, 0.2683,
0.3639

■ 46.6579, 0.2832,
0.3520

■ 7.9940, 0.2594,
0.3712

■ 64.0089, 0.2862,
0.3497

■ 4.0911, 0.2461,
0.3822

■ 85.2027, 0.2886,
0.3478

■ 1.7247, 0.2239,
0.4009

■ 110.6238, 0.2906,
0.3462

■ 0.4395, 0.0000,
0.5936

■ 140.6564, 0.2923,
0.3448

■ 0.0000, 0.0000,
0.0000

175.6850, 0.2938,

0.3437

216.0940, 0.2950,
0.3427

■ 21.9467, 0.2747,
0.3588

■ 21.9467, 0.2747,
0.3588

■ 21.2420, 0.2666,
0.3683

■ 22.7861, 0.2839,
0.3499

■ 20.6620, 0.2600,
0.3783

■ 23.7645, 0.2939,
0.3417

■ 20.1992, 0.2550,
0.3887


■ 24.8891, 0.3046,
0.3341


■ 19.8445, 0.2518,
0.3993


■ 26.1660, 0.3156,
0.3273

■ 19.5872, 0.2505,
0.4099


■ 27.6008, 0.3268,
0.3212


 19.4070, 0.2508,
0.4205

 29.1988, 0.3379,
0.3157

 19.3635, 0.2509,
0.4233

 30.9652, 0.3489,
0.3109

 32.9048, 0.3596,
0.3066

 35.0224, 0.3700,
0.3029

Harmonies

Analogous

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



21.9467, 0.3099, 0.3877



21.9467, 0.2747, 0.3588



21.9467, 0.2505, 0.3218

Triad

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



21.9467, 0.2747, 0.3588



21.9467, 0.2760, 0.2677



21.9467, 0.3886, 0.3613

Complementary

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



21.9467, 0.2747, 0.3588



13.2692, 0.3740, 0.3016

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.



21.9467, 0.3789, 0.3305



21.9467, 0.2747, 0.3588



21.9467, 0.3119, 0.2786

Square

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



21.9467, 0.2747, 0.3588



21.9467, 0.2513, 0.2711



21.9467, 0.3501, 0.3010



21.9467, 0.3765, 0.3863

Rectangle

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



21.9467, 0.2747, 0.3588



21.9467, 0.2431, 0.2994



21.9467, 0.3501, 0.3010



21.9467, 0.3878, 0.3513

Sweetspot

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



21.9476, 0.2747, 0.3588



43.7661, 0.3004, 0.3369



22.0145, 0.3241, 0.4323



10.0298, 0.2992, 0.3378



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.



21.9476, 0.2747, 0.3588



38.2059, 0.2677, 0.3669



19.4880, 0.2593, 0.3083



5.6644, 0.3027, 0.3354



17.4797, 0.2508, 0.4228



0.1187, 0.2373, 0.3743

Inverse Universe

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



13.2692, 0.3740, 0.3016



20.2958, 0.3953, 0.2954



14.8046, 0.3926, 0.3484



5.0708, 0.3238, 0.3227



5.0958, 0.5735, 0.2933



0.0361, 0.4684, 0.2354

Previews

White Background



This preview shows how the Yxy color 21.9467, 0.2747, 0.3588 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 21.9467, 0.2747, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

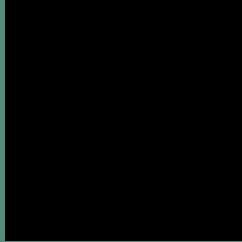
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

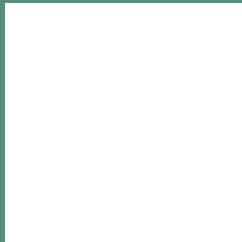
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9467, 0.2747, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 21.9467, 0.2747, 0.3588.



This preview shows how white text looks on a background with the Yxy color 21.9467, 0.2747, 0.3588.

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

21.9467, 0.2747, 0.3588

Protanopia

21.7329, 0.3299, 0.3469

Deuteranopia

21.6103, 0.3301, 0.3239



Tritanopia

21.9902, 0.2591, 0.3082

Trichromacy



Original Color

21.9467, 0.2747, 0.3588

Protanomaly

21.5716, 0.3071, 0.3516

Deuteranomaly

21.2718, 0.3067, 0.3345

Tritanomaly

21.9291, 0.2641, 0.3250

Monochromacy



Original Color

21.9467, 0.2747, 0.3588

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.1196, 0.2962, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9467, 0.2747, 0.3588 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, 139, 124)` looks like.

```
.text, #text, p{  
    color:rgb(87, 139, 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, 139, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 139, 124) }
```

Border

The CSS property to change the border of an element to Yxy 21.9467, 0.2747, 0.3588 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, 139, 124) }
```

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

```
.border{ border-color:rgb(87, 139, 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, 139, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 139, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 139, 124);  
box-shadow:4px 4px 4px 4px rgb(87, 139,  
124) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.9467, 0.2747, 0.3588$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 139, 124) }
```

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

```
.background{ background-color: rgb(87, 139,  
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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