

Converting Colors

$Y_{xy}(21.7870, 0.2933, 0.3786)$

Have a look what the booklet for
Yxy(21.7870, 0.2933, 0.3786)
contains.

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Color

Yxy(21.8560, 0.2928, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	608A71
RGB	96, 138, 113
RGB Percent	38%, 54%, 44%
CMY	0.6235, 0.4588, 0.5569
CMYK	0.30, 0.00, 0.18, 0.46
HSL	144°, 18%, 46%
HSV	144°, 30%, 54%
XYZ	16.8940, 21.8560, 18.9480
YIQ	122.5920, -17.0070, -16.6790

Conversions

Conversions Part 2

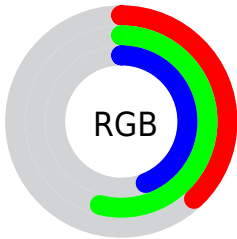
Format	Color
R_{YB}	96, 126, 138
Decimal	6326897
CIE _{Lab}	53.87, -20.05, 8.81
CIE _{LCh}	54, 21.905, 156.279
Yxy	21.8560, 0.2928, 0.3788
Android (android.graphics.Color)	4284516977 (0xFF608A71)
YUV	122.5920, -4.7289, -23.3212
Hunter-Lab	46.7504, -17.3095, 8.6949

Details

The Yxy color **21.8560, 0.2928, 0.3788** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.1538, 0.3397, 0.2841**, and the grayscale version is **19.6874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7118, 0.2976, 0.3673**, and **7.9895, 0.2846, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **20.9959, 0.2871, 0.3986**, and if you desaturate by 10%, it is **22.8661, 0.2991, 0.3607**.

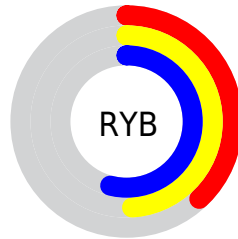
Distribution



Red (38%)

Green (54%)

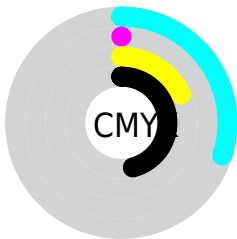
Blue (44%)



Red (38%)

Yellow (49%)

Blue (54%)

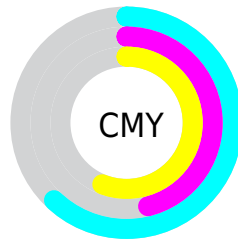


Cyan (30%)

Magenta (0%)

Yellow (18%)

Black (46%)



Cyan (62%)

Magenta (46%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8560, 0.2928, 0.3788 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 21.8560, 0.2928, 0.3788 by changing the saturation by 10% instead.

■ 21.8560, 0.2928,
0.3788

■ 21.8560, 0.2928,
0.3788

261.7933, 0.3044,
0.3499

■ 13.7511, 0.2892,
0.3878

■ 46.5079, 0.2975,
0.3671

■ 7.9478, 0.2839,
0.4007

■ 63.8237, 0.2991,
0.3631

■ 4.0615, 0.2756,
0.4208

■ 84.9786, 0.3004,
0.3599

■ 1.7081, 0.2609,
0.4562

■ 110.3570, 0.3015,
0.3572

■ 0.4289, 0.0000,
1.0000

140.3432, 0.3024,
0.3550

■ 0.0000, 0.0000,
0.0000

175.3218, 0.3032,

0.3530

215.6770, 0.3038,
0.3514

■ 21.8560, 0.2928,
0.3788

■ 21.8560, 0.2928,
0.3788

■ 20.9959, 0.2871,
0.3986

■ 22.8661, 0.2991,
0.3607

■ 20.2758, 0.2823,
0.4197

■ 24.0303, 0.3057,
0.3443

■ 19.6885, 0.2787,
0.4419

■ 25.3559, 0.3124,
0.3296

■ 19.2255, 0.2766,
0.4645

■ 26.8488, 0.3192,
0.3165

■ 18.8767, 0.2761,
0.4868

■ 28.5148, 0.3257,
0.3050

■ 18.6306, 0.2775,
0.5081

■ 30.3592, 0.3321,
0.2949

■ 18.4605, 0.2798,
0.5272

■ 32.3872, 0.3382,
0.2861

■ 34.6039, 0.3440,
0.2783

■ 37.0140, 0.3495,
0.2716

Harmonies

Analogous

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



21.8560, 0.3319, 0.3984



21.8560, 0.2928, 0.3788



21.8560, 0.2604, 0.3432

Triad

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



21.8560, 0.2928, 0.3788



21.8560, 0.2585, 0.2656



21.8560, 0.3886, 0.3447

Complementary

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



21.8560, 0.2928, 0.3788



15.1538, 0.3397, 0.2841

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.



21.8560, 0.3666, 0.3128



21.8560, 0.2928, 0.3788



21.8560, 0.2899, 0.2688

Square

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



21.8560, 0.2928, 0.3788



21.8560, 0.2417, 0.2780



21.8560, 0.3296, 0.2858



21.8560, 0.3886, 0.3750

Rectangle

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



21.8560, 0.2928, 0.3788



21.8560, 0.2465, 0.3175



21.8560, 0.3296, 0.2858



21.8560, 0.3835, 0.3339

Sweetspot

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



21.8569, 0.2928, 0.3788



42.6291, 0.3065, 0.3424



23.1019, 0.3369, 0.4072



9.4981, 0.3056, 0.3443



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.8569, 0.2928, 0.3788



37.3834, 0.2885, 0.3932



22.3806, 0.2740, 0.3369



5.6396, 0.3065, 0.3423



16.9284, 0.2796, 0.5265



0.1152, 0.2565, 0.4435

Inverse Universe

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



15.1538, 0.3397, 0.2841



23.4737, 0.3484, 0.2729



14.6969, 0.3713, 0.3214



5.0953, 0.3194, 0.3161



5.5185, 0.4513, 0.2260



0.0396, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 21.8560, 0.2928, 0.3788 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 21.8560, 0.2928, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

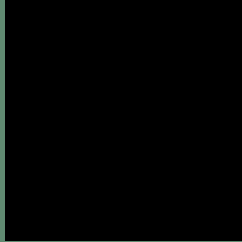
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8560, 0.2928, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 21.8560, 0.2928, 0.3788.



This preview shows how white text looks on a background with the Yxy color 21.8560, 0.2928, 0.3788.

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

21.8560, 0.2928, 0.3788

Protanopia

21.6719, 0.3438, 0.3649

Deuteranopia

21.6960, 0.3482, 0.3428



Tritanopia

21.8886, 0.2699, 0.3103

Trichromacy



Original Color

21.8560, 0.2928, 0.3788

Protanomaly

21.6933, 0.3235, 0.3703

Deuteranomaly

21.4503, 0.3257, 0.3547

Tritanomaly

21.7307, 0.2779, 0.3327

Monochromacy



Original Color

21.8560, 0.2928, 0.3788

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2810, 0.3049, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8560, 0.2928, 0.3788 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(96, 138, 113) looks like.

```
.text, #text, p{  
    color:rgb(96, 138, 113)  
}
```

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(96, 138, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 138, 113) }
```

Border

The CSS property to change the border of an element to Yxy 21.8560, 0.2928, 0.3788 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(96, 138, 113) }
```

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

```
.border{ border-color:rgb(96, 138, 113) }
```

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

Here you see how a box with a 4 pixel rgb(96, 138, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 138, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 138, 113);  
box-shadow:4px 4px 4px 4px rgb(96, 138,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8560, 0.2928, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 138, 113) }
```

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

```
.background{ background-color: rgb(96, 138,  
113) }
```

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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