

Converting Colors

$Y_{xy}(21.7544, 0.2755, 0.2979)$

Have a look what the booklet for
Yxy(21.7544, 0.2755, 0.2979)
contains.

Yxy(21.8155, 0.2755, 0.2983)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.8155, 0.2755, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	708394
RGB	112, 131, 148
RGB Percent	44%, 51%, 58%
CMY	0.5606, 0.4863, 0.4196
CMYK	0.24, 0.11, 0.00, 0.42
HSL	208°, 14%, 51%
HSV	208°, 24%, 58%
XYZ	20.1481, 21.8155, 31.1692
YIQ	127.2570, -16.7810, 1.2590

Conversions

Conversions Part 2

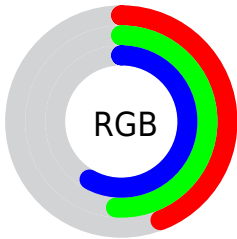
Format	Color
R _Y B	112, 124, 148
Decimal	7373716
CIE Lab	53.83, -2.87, -11.41
CIE LCh	54, 11.768, 255.899
Yxy	21.8155, 0.2755, 0.2983
Android (android.graphics.Color)	4285563796 (0xFF708394)
YUV	127.2570, 10.2263, -13.3804
Hunter-Lab	46.7071, -4.7376, -6.8712

Details

The Yxy color **21.8155, 0.2755, 0.2983** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.1837, 0.3550, 0.3578**, and the grayscale version is **21.2878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4378, 0.2834, 0.3053**, and **7.9544, 0.2614, 0.2878** is the 20% darker color. If you saturate the color by 10%, you get **19.1057, 0.2598, 0.2835**, and if you desaturate by 10%, it is **24.8139, 0.2911, 0.3119**.

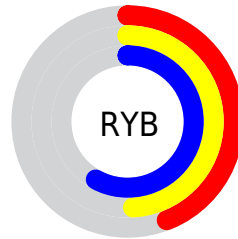
Distribution



Red (44%)

Green (51%)

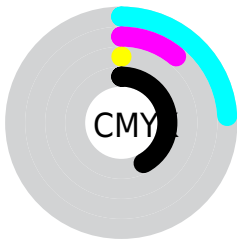
Blue (58%)



Red (44%)

Yellow (49%)

Blue (58%)

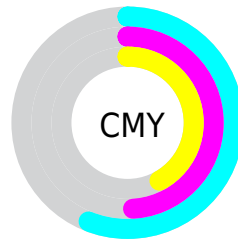


Cyan (24%)

Magenta (11%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (49%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8155, 0.2755, 0.2983 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 21.8155, 0.2755, 0.2983 by changing the saturation by 10% instead.

■ 21.8155, 0.2755,
0.2983

■ 21.8155, 0.2755,
0.2983

261.5813, 0.2962,
0.3156

■ 13.7214, 0.2695,
0.2932

■ 46.4409, 0.2836,
0.3051

■ 7.9271, 0.2611,
0.2861

■ 63.7409, 0.2865,
0.3075

■ 4.0484, 0.2489,
0.2754

■ 84.8784, 0.2888,
0.3095

■ 1.7007, 0.2293,
0.2581

■ 110.2377, 0.2908,
0.3111

■ 0.4241, 0.1626,
0.2071

140.2033, 0.2925,
0.3125

■ 0.0000, 0.0000,
0.0000

175.1595, 0.2939,

0.3137

215.4907, 0.2952,
0.3147

■ 21.8155, 0.2755,
0.2983

■ 21.8155, 0.2755,
0.2983

■ 19.1057, 0.2598,
0.2835

■ 24.8139, 0.2911,
0.3119

■ 16.6715, 0.2442,
0.2675

■ 28.1078, 0.3063,
0.3241

■ 14.5027, 0.2293,
0.2505

■ 31.7074, 0.3210,
0.3351

■ 12.5876, 0.2155,
0.2328

■ 35.6214, 0.3349,
0.3449

■ 10.9129, 0.2032,
0.2147

■ 39.8581, 0.3481,
0.3535

■ 9.4640, 0.1928,
0.1968

■ 44.4254, 0.3604,
0.3611

■ 8.2232, 0.1847,
0.1793

■ 49.3312, 0.3719,
0.3678

■ 7.5844, 0.1805,
0.1696

■ 54.5827, 0.3826,
0.3736

■ 60.1873, 0.3926,
0.3787

Harmonies

Analogous

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



21.8155, 0.2726, 0.3116



21.8155, 0.2755, 0.2983



21.8155, 0.2880, 0.2935

Triad

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



21.8155, 0.2755, 0.2983



21.8155, 0.3464, 0.3262



21.8155, 0.3169, 0.3631

Complementary

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



21.8155, 0.2755, 0.2983



23.1837, 0.3550, 0.3578

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.



21.8155, 0.3371, 0.3663



21.8155, 0.2755, 0.2983



21.8155, 0.3546, 0.3442

Square

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



21.8155, 0.2755, 0.2983



21.8155, 0.3289, 0.3095



21.8155, 0.3511, 0.3590



21.8155, 0.2960, 0.3497

Rectangle

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



21.8155, 0.2755, 0.2983



21.8155, 0.3005, 0.2953



21.8155, 0.3511, 0.3590



21.8155, 0.3240, 0.3654

Sweetspot

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



21.8164, 0.2755, 0.2983



47.8841, 0.3021, 0.3208



26.2105, 0.2945, 0.3636



10.8619, 0.3013, 0.3202



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.8164, 0.2755, 0.2983



35.9025, 0.2672, 0.2906



17.4502, 0.2728, 0.2650



6.1083, 0.2989, 0.3183



6.5324, 0.1807, 0.1707



0.1390, 0.2015, 0.2452

Inverse Universe

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



19.5330, 0.3364, 0.2972



31.3743, 0.3431, 0.2900



28.2759, 0.3486, 0.3859



5.8634, 0.3205, 0.3174



5.8528, 0.4798, 0.2417



0.0776, 0.3970, 0.1961

Previews

White Background



This preview shows how the Yxy color 21.8155, 0.2755, 0.2983 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 21.8155, 0.2755, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

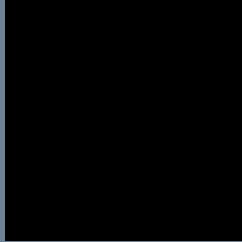
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

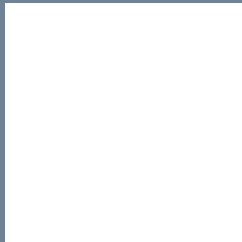
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8155, 0.2755, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 21.8155, 0.2755, 0.2983.



This preview shows how white text looks on a background with the Yxy color 21.8155, 0.2755, 0.2983.

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

21.8155, 0.2755, 0.2983

Protanopia

21.6897, 0.2916, 0.2958

Deuteranopia

21.6625, 0.2940, 0.2879



Tritanopia

21.8350, 0.2801, 0.3106

Trichromacy



Original Color

21.8155, 0.2755, 0.2983

Protanomaly

21.6099, 0.2853, 0.2954

Deuteranomaly

21.6338, 0.2865, 0.2906

Tritanomaly

21.8957, 0.2783, 0.3071

Monochromacy



Original Color

21.8155, 0.2755, 0.2983

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3252, 0.2984, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8155, 0.2755, 0.2983 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(112, 131, 148)` looks like.

```
.text, #text, p{  
    color:rgb(112, 131, 148)  
}
```

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(112, 131, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 131, 148) }
```

Border

The CSS property to change the border of an element to Yxy 21.8155, 0.2755, 0.2983 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(112, 131, 148) }
```

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

```
.border{ border-color:rgb(112, 131, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 131, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 131, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 131, 148);  
box-shadow:4px 4px 4px 4px rgb(112, 131,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8155, 0.2755, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 131, 148) }
```

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

```
.background{ background-color: rgb(112,  
131, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor