

Converting Colors

$Y_{xy}(22.0188, 0.2869, 0.2631)$

Have a look what the booklet for
Yxy(22.0188, 0.2869, 0.2631)
contains.

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Color

Yxy(21.8818, 0.2865, 0.2624)

Conversions

Conversions Part 1

Format	Color
Hex	897AA3
RGB	137, 122, 163
RGB Percent	54%, 48%, 64%
CMY	0.4626, 0.5216, 0.3608
CMYK	0.16, 0.25, 0.00, 0.36
HSL	262°, 18%, 56%
HSV	262°, 25%, 64%
XYZ	23.8915, 21.8818, 37.6177
YIQ	131.1590, -4.2210, 15.9310

Conversions

Conversions Part 2

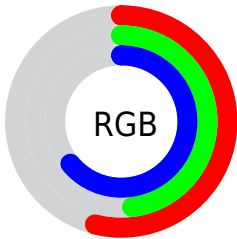
Format	Color
R_{YB}	137, 122, 163
Decimal	9009827
CIE _{Lab}	53.90, 14.25, -19.82
CIE _{LCh}	54, 24.411, 305.725
Yxy	21.8818, 0.2865, 0.2624
Android (android.graphics.Color)	4287199907 (0xFF897AA3)
YUV	131.1590, 15.6976, 5.1226
Hunter-Lab	46.7780, 9.3061, -14.9349

Details

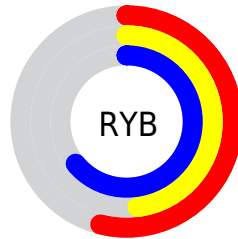
The Yxy color **21.8818, 0.2865, 0.2624** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.8941, 0.3345, 0.3935**, and the grayscale version is **22.7025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4104, 0.2927, 0.2756**, and **7.9390, 0.2765, 0.2391** is the 20% darker color. If you saturate the color by 10%, you get **17.3789, 0.2735, 0.2325**, and if you desaturate by 10%, it is **27.1413, 0.2980, 0.2906**.

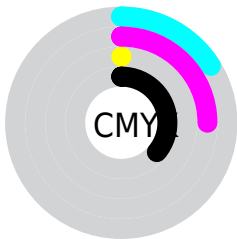
Distribution



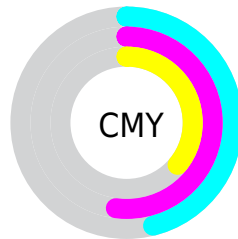
- Red (54%)
- Green (48%)
- Blue (64%)



- Red (54%)
- Yellow (48%)
- Blue (64%)



- Cyan (16%)
- Magenta (25%)
- Yellow (0%)
- Black (36%)



- Cyan (46%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8818, 0.2865, 0.2624 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 21.8818, 0.2865, 0.2624 by changing the saturation by 10% instead.

■ 21.8818, 0.2865,
0.2624

■ 21.8818, 0.2865,
0.2624

261.9284, 0.3015,
0.2984

■ 13.7701, 0.2820,
0.2525

■ 46.5506, 0.2925,
0.2761

■ 7.9609, 0.2756,
0.2392

■ 63.8764, 0.2946,
0.2811

■ 4.0700, 0.2662,
0.2206

■ 85.0424, 0.2963,
0.2852

■ 1.7128, 0.2508,
0.1926

110.4329, 0.2977,
0.2887

■ 0.4319, 0.2265,
0.1290

140.4324, 0.2989,
0.2916

■ 0.0000, 0.0000,
0.0000

175.4252, 0.2999,

0.2942

215.7957, 0.3008,
0.2964

■ 21.8818, 0.2865,
0.2624

■ 21.8818, 0.2865,
0.2624

■ 17.3789, 0.2735,
0.2325

■ 27.1413, 0.2980,
0.2906

■ 13.5943, 0.2591,
0.2016

■ 33.1882, 0.3081,
0.3165

■ 10.4898, 0.2438,
0.1710

■ 40.0547, 0.3167,
0.3401

■ 8.0231, 0.2280,
0.1422

■ 47.7704, 0.3241,
0.3612

■ 6.1466, 0.2125,
0.1169

■ 56.3634, 0.3303,
0.3801

■ 4.8057, 0.1982,
0.0967

■ 65.8606, 0.3355,
0.3968

■ 3.9323, 0.1856,
0.0824

■ 76.2876, 0.3399,
0.4116

■ 3.5988, 0.1802,
0.0766

■ 87.6690, 0.3436,
0.4247

■ 90.9759, 0.3500,
0.4247

Harmonies

Analogous

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



21.8818, 0.2521, 0.2589



21.8818, 0.2865, 0.2624



21.8818, 0.3305, 0.2808

Triad

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



21.8818, 0.2865, 0.2624



21.8818, 0.3974, 0.3790



21.8818, 0.2552, 0.3454

Complementary

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



21.8818, 0.2865, 0.2624



33.8941, 0.3345, 0.3935

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.



21.8818, 0.2911, 0.3855



21.8818, 0.2865, 0.2624



21.8818, 0.3738, 0.4029

Square

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



21.8818, 0.2865, 0.2624



21.8818, 0.3972, 0.3452



21.8818, 0.3345, 0.4070



21.8818, 0.2350, 0.3032

Rectangle

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



21.8818, 0.2865, 0.2624



21.8818, 0.3594, 0.2995



21.8818, 0.3345, 0.4070



21.8818, 0.2657, 0.3599

Sweetspot

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



21.8827, 0.2865, 0.2624



56.0474, 0.3052, 0.3090



27.9511, 0.2745, 0.3042



12.2283, 0.3038, 0.3053



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.8827, 0.2865, 0.2624



34.6723, 0.2797, 0.2464



23.7837, 0.3093, 0.2668



6.9805, 0.3041, 0.3062



2.8206, 0.1811, 0.0771



0.0854, 0.2240, 0.1008

Inverse Universe

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



23.8409, 0.3326, 0.2893



38.8199, 0.3380, 0.2805



32.1492, 0.3145, 0.3976



7.1579, 0.3191, 0.3149



6.8249, 0.4378, 0.2186



0.1520, 0.3861, 0.1901

Previews

White Background



This preview shows how the Yxy color 21.8818, 0.2865, 0.2624 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 21.8818, 0.2865, 0.2624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

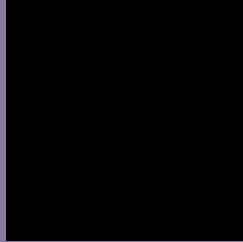
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8818, 0.2865, 0.2624

Background



This preview shows how black text looks on a background with the Yxy color 21.8818, 0.2865, 0.2624.



This preview shows how white text looks on a background with the Yxy color 21.8818, 0.2865, 0.2624.

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

21.8818, 0.2865, 0.2624

Protanopia

21.8203, 0.2640, 0.2614

Deuteranopia

21.8154, 0.2741, 0.2682



Tritanopia

21.9714, 0.3089, 0.3116

Trichromacy



Original Color

21.8818, 0.2865, 0.2624

Protanomaly

21.7804, 0.2714, 0.2607

Deuteranomaly

21.9430, 0.2792, 0.2674

Tritanomaly

21.8109, 0.3005, 0.2932

Monochromacy



Original Color

21.8818, 0.2865, 0.2624

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.4081, 0.3025, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8818, 0.2865, 0.2624 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(137, 122, 163)` looks like.

```
.text, #text, p{  
    color:rgb(137, 122, 163)  
}
```

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(137, 122, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 122, 163) }
```

Border

The CSS property to change the border of an element to Yxy 21.8818, 0.2865, 0.2624 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(137, 122, 163) }
```

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

```
.border{ border-color:rgb(137, 122, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 122, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 122, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 122, 163);  
box-shadow:4px 4px 4px 4px rgb(137, 122,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8818, 0.2865, 0.2624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 122, 163) }
```

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

```
.background{ background-color: rgb(137,  
122, 163) }
```

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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