

Converting Colors

$Y_{xy}(21.0478, 0.2818, 0.2606)$

Have a look what the booklet for
Yxy(21.0478, 0.2818, 0.2606)
contains.

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Color

Yxy(21.1889, 0.2820, 0.2612)

Conversions

Conversions Part 1

Format	Color
Hex	8479A2
RGB	132, 121, 162
RGB Percent	52%, 47%, 64%
CMY	0.4822, 0.5255, 0.3648
CMYK	0.18, 0.25, 0.00, 0.36
HSL	256°, 18%, 55%
HSV	256°, 25%, 64%
XYZ	22.8762, 21.1889, 37.0562
YIQ	128.9630, -6.6050, 15.0830

Conversions

Conversions Part 2

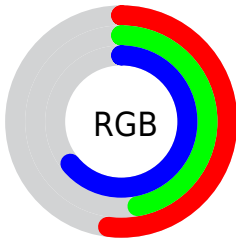
Format	Color
R_{YB}	132, 121, 162
Decimal	8681890
CIE _{Lab}	53.16, 12.93, -20.40
CIE _{LCh}	53, 24.156, 302.371
Yxy	21.1889, 0.2820, 0.2612
Android (android.graphics.Color)	4286871970 (0xFF8479A2)
YUV	128.9630, 16.2872, 2.6634
Hunter-Lab	46.0314, 8.1542, -15.5077

Details

The Yxy color **21.1889, 0.2820, 0.2612** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.7878, 0.3387, 0.3930**, and the grayscale version is **21.8844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3360, 0.2893, 0.2749**, and **7.5544, 0.2698, 0.2367** is the 20% darker color. If you saturate the color by 10%, you get **16.6769, 0.2670, 0.2304**, and if you desaturate by 10%, it is **26.4719, 0.2954, 0.2899**.

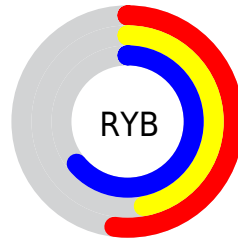
Distribution



Red (52%)

Green (47%)

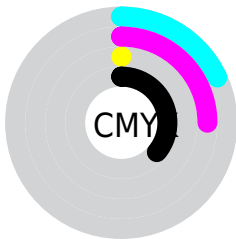
Blue (64%)



Red (52%)

Yellow (47%)

Blue (64%)

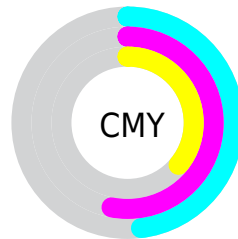


Cyan (18%)

Magenta (25%)

Yellow (0%)

Black (36%)



Cyan (48%)

Magenta (53%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1889, 0.2820, 0.2612 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 21.1889, 0.2820, 0.2612 by changing the saturation by 10% instead.

■ 21.1889, 0.2820,
0.2612

■ 21.1889, 0.2820,
0.2612

258.2807, 0.2996,
0.2980

■ 13.2622, 0.2767,
0.2510

■ 45.4017, 0.2890,
0.2753

■ 7.6093, 0.2694,
0.2372

■ 62.4566, 0.2914,
0.2804

■ 3.8460, 0.2584,
0.2178

■ 83.3229, 0.2934,
0.2846

■ 1.5878, 0.2406,
0.1887

108.3851, 0.2951,
0.2881

■ 0.3493, 0.2108,
0.1137

138.0276, 0.2965,
0.2912

■ 0.0000, 0.0000,
0.0000

172.6348, 0.2977,

0.2938

212.5910, 0.2987,
0.2960

■ 21.1889, 0.2820,
0.2612

■ 21.1889, 0.2820,
0.2612

■ 16.6769, 0.2670,
0.2304

■ 26.4719, 0.2954,
0.2899

■ 12.8968, 0.2506,
0.1985

■ 32.5576, 0.3071,
0.3162

■ 9.8098, 0.2333,
0.1666

■ 39.4787, 0.3173,
0.3398

■ 7.3725, 0.2159,
0.1365

■ 47.2656, 0.3260,
0.3607

■ 5.5362, 0.1992,
0.1101

■ 55.9471, 0.3334,
0.3793

■ 4.2455, 0.1844,
0.0893

■ 65.5505, 0.3397,
0.3956

■ 3.4302, 0.1723,
0.0750

■ 76.1021, 0.3450,
0.4100

■ 3.1346, 0.1674,
0.0696

■ 87.6271, 0.3495,
0.4226

■ 92.4034, 0.3565,
0.4238

Harmonies

Analogous

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



21.1889, 0.2492, 0.2595



21.1889, 0.2820, 0.2612



21.1889, 0.3255, 0.2781

Triad

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



21.1889, 0.2820, 0.2612



21.1889, 0.3987, 0.3755



21.1889, 0.2585, 0.3504

Complementary

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



21.1889, 0.2820, 0.2612



33.7878, 0.3387, 0.3930

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.



21.1889, 0.2958, 0.3891



21.1889, 0.2820, 0.2612



21.1889, 0.3774, 0.4011

Square

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



21.1889, 0.2820, 0.2612



21.1889, 0.3955, 0.3412



21.1889, 0.3393, 0.4078



21.1889, 0.2363, 0.3076

Rectangle

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



21.1889, 0.2820, 0.2612



21.1889, 0.3548, 0.2961



21.1889, 0.3393, 0.4078



21.1889, 0.2696, 0.3646

Sweetspot

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



21.1898, 0.2820, 0.2612



55.8197, 0.3040, 0.3090



28.8220, 0.2749, 0.3109



12.1688, 0.3023, 0.3052



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.



21.1898, 0.2820, 0.2612



33.9901, 0.2743, 0.2452



22.9976, 0.3047, 0.2656



6.9479, 0.3027, 0.3061



2.4889, 0.1681, 0.0700



0.0742, 0.2066, 0.0912

Inverse Universe

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



23.5858, 0.3280, 0.2832



39.0937, 0.3320, 0.2734



32.0037, 0.3184, 0.3972



7.1695, 0.3176, 0.3127



7.0969, 0.4014, 0.1985



0.1563, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 21.1889, 0.2820, 0.2612 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 21.1889, 0.2820, 0.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

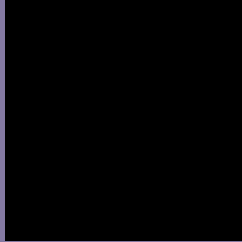
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1889, 0.2820, 0.2612

Background



This preview shows how black text looks on a background with the Yxy color 21.1889, 0.2820, 0.2612.



This preview shows how white text looks on a background with the Yxy color 21.1889, 0.2820, 0.2612.

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

21.1889, 0.2820, 0.2612

Protanopia

21.0968, 0.2634, 0.2606

Deuteranopia

21.3054, 0.2718, 0.2675



Tritanopia

21.2113, 0.3030, 0.3112

Trichromacy



Original Color

21.1889, 0.2820, 0.2612

Protanomaly

21.2332, 0.2700, 0.2614

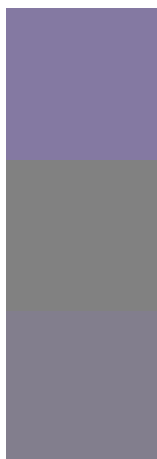
Deuteranomaly

21.3485, 0.2758, 0.2665

Tritanomaly

21.1268, 0.2959, 0.2925

Monochromacy



Original Color

21.1889, 0.2820, 0.2612

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5906, 0.3012, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1889, 0.2820, 0.2612 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(132, 121, 162)` looks like.

```
.text, #text, p{  
    color:rgb(132, 121, 162)  
}
```

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(132, 121, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 121, 162) }
```

Border

The CSS property to change the border of an element to Yxy 21.1889, 0.2820, 0.2612 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(132, 121, 162) }
```

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

```
.border{ border-color:rgb(132, 121, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 121, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 121, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 121, 162);  
box-shadow:4px 4px 4px 4px rgb(132, 121,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1889, 0.2820, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 121, 162) }
```

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

```
.background{ background-color: rgb(132,  
121, 162) }
```

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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