

Converting Colors

$Y_{xy}(21.6896, 0.2567, 0.2287)$

Have a look what the booklet for
Yxy(21.6896, 0.2567, 0.2287)
contains.

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Color

Yxy(21.6896, 0.2567, 0.2287)

Conversions

Conversions Part 1

Format	Color
Hex	7F79B9
RGB	127, 121, 185
RGB Percent	50%, 47%, 73%
CMY	0.5020, 0.5255, 0.2745
CMYK	0.31, 0.35, 0.00, 0.27
HSL	246°, 31%, 60%
HSV	246°, 35%, 73%
XYZ	24.3451, 21.6896, 48.8040
YIQ	130.0900, -16.9680, 21.1760

Conversions

Conversions Part 2

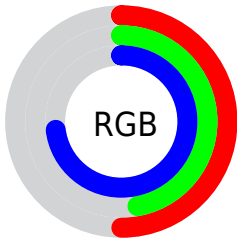
Format	Color
RYB	127, 121, 185
Decimal	8354233
CIELab	53.70, 17.12, -32.89
CIELCh	54, 37.084, 297.499
Yxy	21.6896, 0.2567, 0.2287
Android (android.graphics.Color)	4286544313 (0xFF7F79B9)
YUV	130.0900, 27.0706, -2.7099
Hunter-Lab	46.5721, 11.8079, -29.5309

Details

The Yxy color $21.6896, 0.2567, 0.2287$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $45.6669, 0.3585, 0.4156$, and the grayscale version is $22.2635, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.0618, 0.2690, 0.2484$, and $7.7965, 0.2345, 0.1948$ is the 20% darker color. If you saturate the color by 10%, you get $16.4344, 0.2370, 0.1946$, and if you desaturate by 10%, it is $28.0231, 0.2751, 0.2612$.

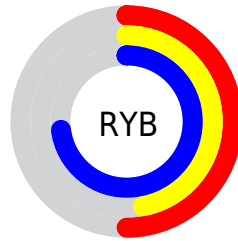
Distribution



Red (50%)

Green (47%)

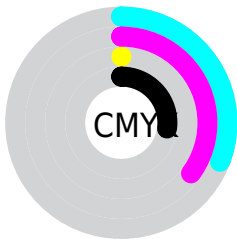
Blue (73%)



Red (50%)

Yellow (47%)

Blue (73%)

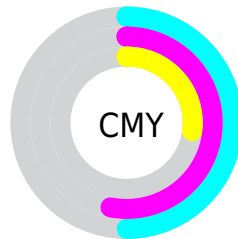


Cyan (31%)

Magenta (35%)

Yellow (0%)

Black (27%)



Cyan (50%)

Magenta (53%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6896, 0.2567, 0.2287 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 21.6896, 0.2567, 0.2287 by changing the saturation by 10% instead.

■ 21.6896, 0.2567,
0.2287

■ 21.6896, 0.2567,
0.2287

260.9210, 0.2882,
0.2816

■ 13.6290, 0.2477,
0.2148

■ 46.2324, 0.2690,
0.2485

■ 7.8631, 0.2355,
0.1967

■ 63.4835, 0.2733,
0.2558

■ 4.0075, 0.2182,
0.1724

■ 84.5668, 0.2769,
0.2618

■ 1.6777, 0.1921,
0.1387

109.8667, 0.2799,
0.2670

■ 0.4092, 0.1527,
0.0775

139.7677, 0.2824,
0.2714

■ 0.0000, 0.0000,
0.0000

174.6542, 0.2846,

0.2753

214.9104, 0.2865,
0.2787

■ 21.6896, 0.2567,
0.2287

■ 21.6896, 0.2567,
0.2287

■ 16.4344, 0.2370,
0.1946

■ 28.0231, 0.2751,
0.2612

■ 12.1949, 0.2167,
0.1603

■ 35.4878, 0.2918,
0.2910

■ 8.9060, 0.1972,
0.1281

■ 44.1361, 0.3066,
0.3178

■ 6.4939, 0.1799,
0.1004

■ 54.0164, 0.3194,
0.3414

■ 4.8739, 0.1660,
0.0794

■ 65.1744, 0.3305,
0.3620

■ 3.9444, 0.1565,
0.0664

■ 77.6535, 0.3400,
0.3800

■ 3.6247, 0.1531,
0.0617

■ 91.4949, 0.3481,
0.3955

■ 96.2829, 0.3544,
0.3979

Harmonies

Analogous

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



21.6896, 0.2138, 0.2286



21.6896, 0.2567, 0.2287



21.6896, 0.3195, 0.2497

Triad

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



21.6896, 0.2567, 0.2287



21.6896, 0.4444, 0.3856



21.6896, 0.2384, 0.3723

Complementary

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



21.6896, 0.2567, 0.2287



45.6669, 0.3585, 0.4156

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.



21.6896, 0.2952, 0.4319



21.6896, 0.2567, 0.2287



21.6896, 0.4152, 0.4299

Square

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



21.6896, 0.2567, 0.2287



21.6896, 0.4349, 0.3350



21.6896, 0.3600, 0.4516



21.6896, 0.2037, 0.3035

Rectangle

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



21.6896, 0.2567, 0.2287



21.6896, 0.3654, 0.2733



21.6896, 0.3600, 0.4516



21.6896, 0.2554, 0.3950

Sweetspot

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



21.6904, 0.2567, 0.2287



70.1476, 0.2986, 0.3032



40.0781, 0.2634, 0.3209



14.6653, 0.2965, 0.2995



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.6904, 0.2567, 0.2287



31.0823, 0.2408, 0.2011



24.4830, 0.2881, 0.2370



8.7585, 0.2998, 0.3055



2.4827, 0.1536, 0.0620



0.1010, 0.1673, 0.0695

Inverse Universe

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



27.2471, 0.3230, 0.2516



42.6754, 0.3259, 0.2341



42.3455, 0.3301, 0.4242



9.1479, 0.3151, 0.3085



8.9468, 0.3456, 0.1677



0.3196, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 21.6896, 0.2567, 0.2287 looks on a white background.

Color Contrast Check

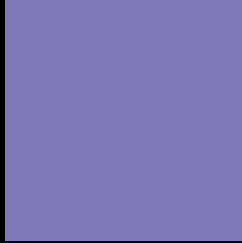
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6896, 0.2567, 0.2287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

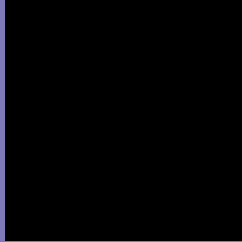
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6896, 0.2567, 0.2287

Background



This preview shows how black text looks on a background with the Yxy color 21.6896, 0.2567, 0.2287.



This preview shows how white text looks on a background with the Yxy color 21.6896, 0.2567, 0.2287.

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

21.6896, 0.2567, 0.2287

Protanopia

21.7216, 0.2376, 0.2273

Deuteranopia

21.7652, 0.2413, 0.2354



Tritanopia

21.7103, 0.2891, 0.3109

Trichromacy



Original Color

21.6896, 0.2567, 0.2287

Protanomaly

21.6236, 0.2435, 0.2267

Deuteranomaly

21.7053, 0.2466, 0.2335

Tritanomaly

21.6440, 0.2767, 0.2789

Monochromacy



Original Color

21.6896, 0.2567, 0.2287

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.0479, 0.2909, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6896, 0.2567, 0.2287 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(127, 121, 185)` looks like.

```
.text, #text, p{  
    color:rgb(127, 121, 185)  
}
```

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(127, 121, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 121, 185) }
```

Border

The CSS property to change the border of an element to Yxy 21.6896, 0.2567, 0.2287 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(127, 121, 185) }
```

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

```
.border{ border-color:rgb(127, 121, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 121, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 121, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 121, 185);  
box-shadow:4px 4px 4px 4px rgb(127, 121,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6896, 0.2567, 0.2287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 121, 185) }
```

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

```
.background{ background-color: rgb(127,  
121, 185) }
```

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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