

Converting Colors

$Y_{xy}(20.8728, 0.2645, 0.2494)$

Have a look what the booklet for
Yxy(20.8728, 0.2645, 0.2494)
contains.

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Color

Yxy(20.9589, 0.2645, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	7A7AAA
RGB	122, 122, 170
RGB Percent	48%, 48%, 67%
CMY	0.5214, 0.5216, 0.3334
CMYK	0.28, 0.28, 0.00, 0.33
HSL	240°, 22%, 57%
HSV	240°, 28%, 67%
XYZ	22.2457, 20.9589, 40.9001
YIQ	127.4720, -15.4080, 14.9280

Conversions

Conversions Part 2

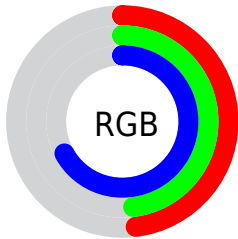
Format	Color
RYB	122, 122, 170
Decimal	8026794
CIELab	52.90, 11.13, -25.51
CIELCh	53, 27.829, 293.579
Yxy	20.9589, 0.2645, 0.2492
Android (android.graphics.Color)	4286216874 (0xFF7A7AAA)
YUV	127.4720, 20.9663, -4.7989
Hunter-Lab	45.7809, 6.6196, -20.9224

Details

The Yxy color $20.9589, 0.2645, 0.2492$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $38.6911, 0.3544, 0.3980$, and the grayscale version is $21.3272, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8223, 0.2751, 0.2657$, and $7.4508, 0.2455, 0.2197$ is the 20% darker color. If you saturate the color by 10%, you get $16.0107, 0.2441, 0.2155$, and if you desaturate by 10%, it is $26.8555, 0.2834, 0.2804$.

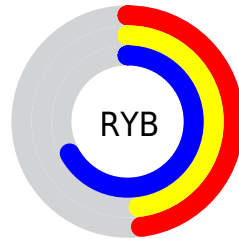
Distribution



Red (48%)

Green (48%)

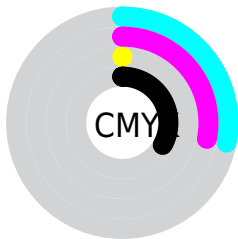
Blue (67%)



Red (48%)

Yellow (48%)

Blue (67%)

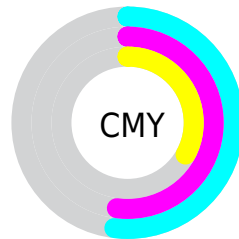


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9589, 0.2645, 0.2492 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 20.9589, 0.2645, 0.2492 by changing the saturation by 10% instead.

■ 20.9589, 0.2645,
0.2492

■ 20.9589, 0.2645,
0.2492

257.0600, 0.2917,
0.2924

■ 13.0940, 0.2566,
0.2373

■ 45.0191, 0.2752,
0.2657

■ 7.4933, 0.2457,
0.2215

■ 61.9832, 0.2790,
0.2717

■ 3.7725, 0.2298,
0.1994

■ 82.7491, 0.2821,
0.2766

■ 1.5471, 0.2051,
0.1669

107.7012, 0.2846,
0.2808

■ 0.3215, 0.1618,
0.0901

137.2240, 0.2868,
0.2843

■ 0.0000, 0.0000,
0.0000

171.7018, 0.2887,

0.2874

211.5190, 0.2903,
0.2901

■ 20.9589, 0.2645,
0.2492

■ 20.9589, 0.2645,
0.2492

■ 16.0107, 0.2441,
0.2155

■ 26.8555, 0.2834,
0.2804

■ 11.9592, 0.2229,
0.1804

■ 33.7436, 0.3003,
0.3084

■ 8.7513, 0.2021,
0.1460

■ 41.6670, 0.3152,
0.3331

■ 6.3277, 0.1832,
0.1147

■ 50.6659, 0.3282,
0.3546

■ 4.6210, 0.1678,
0.0893

■ 60.7782, 0.3393,
0.3731

■ 3.5527, 0.1570,
0.0716

■ 72.0404, 0.3490,
0.3890

■ 2.9877, 0.1510,
0.0616

■ 84.4870, 0.3572,
0.4027

■ 2.9034, 0.1501,
0.0600

■ 95.6821, 0.3632,
0.4124

Harmonies

Analogous

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



20.9589, 0.2325, 0.2525



20.9589, 0.2645, 0.2492



20.9589, 0.3118, 0.2638

Triad

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



20.9589, 0.2645, 0.2492



20.9589, 0.4141, 0.3704



20.9589, 0.2612, 0.3684

Complementary

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



20.9589, 0.2645, 0.2492



38.6911, 0.3544, 0.3980

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.



20.9589, 0.3071, 0.4088



20.9589, 0.2645, 0.2492



20.9589, 0.3966, 0.4045

Square

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



20.9589, 0.2645, 0.2492



20.9589, 0.4020, 0.3303



20.9589, 0.3569, 0.4211



20.9589, 0.2304, 0.3174

Rectangle

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



20.9589, 0.2645, 0.2492



20.9589, 0.3466, 0.2817



20.9589, 0.3569, 0.4211



20.9589, 0.2753, 0.3842

Sweetspot

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



20.9597, 0.2645, 0.2492



61.3550, 0.3004, 0.3087



35.7863, 0.2725, 0.3289



13.2441, 0.2981, 0.3047



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.9597, 0.2645, 0.2492



32.1119, 0.2516, 0.2279



22.9288, 0.2894, 0.2546



7.3010, 0.2986, 0.3057



2.1361, 0.1501, 0.0600



0.0521, 0.1503, 0.0602

Inverse Universe

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



25.3618, 0.3160, 0.2603



41.4546, 0.3167, 0.2451



36.2625, 0.3310, 0.4036



7.6665, 0.3138, 0.3068



8.4157, 0.3212, 0.1543



0.2048, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 20.9589, 0.2645, 0.2492 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 20.9589, 0.2645, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

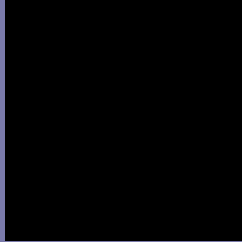
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9589, 0.2645, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 20.9589, 0.2645, 0.2492.



This preview shows how white text looks on a background with the Yxy color 20.9589, 0.2645, 0.2492.

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

20.9589, 0.2645, 0.2492

Protanopia

21.0905, 0.2539, 0.2495

Deuteranopia

20.8573, 0.2580, 0.2525



Tritanopia

20.9863, 0.2888, 0.3106

Trichromacy



Original Color

20.9589, 0.2645, 0.2492

Protanomaly

21.0686, 0.2582, 0.2500

Deuteranomaly

20.8124, 0.2606, 0.2513

Tritanomaly

20.9753, 0.2791, 0.2864

Monochromacy



Original Color

20.9589, 0.2645, 0.2492

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.0104, 0.2934, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9589, 0.2645, 0.2492 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(122, 122, 170)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 170)  
}
```

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(122, 122, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 170) }
```

Border

The CSS property to change the border of an element to Yxy 20.9589, 0.2645, 0.2492 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(122, 122, 170) }
```

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

```
.border{ border-color:rgb(122, 122, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 170);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9589, 0.2645, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 170) }
```

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

```
.background{ background-color: rgb(122,  
122, 170) }
```

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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