

Converting Colors

$Y_{xy}(20.4595, 0.2724, 0.2261)$

Have a look what the booklet for
Yxy(20.4595, 0.2724, 0.2261)
contains.

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Color

Yxy(20.5539, 0.2726, 0.2270)

Conversions

Conversions Part 1

Format	Color
Hex	8B71B3
RGB	139, 113, 179
RGB Percent	55%, 44%, 70%
CMY	0.4551, 0.5568, 0.2981
CMYK	0.22, 0.37, 0.00, 0.30
HSL	264°, 30%, 57%
HSV	264°, 37%, 70%
XYZ	24.6828, 20.5539, 45.3091
YIQ	128.2980, -5.6900, 26.0380

Conversions

Conversions Part 2

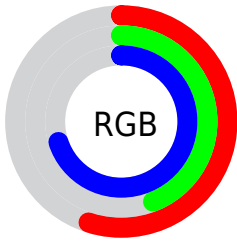
Format	Color
R_{YB}	139, 113, 179
Decimal	9138611
CIE _{Lab}	52.46, 23.92, -31.28
CIE _{LCh}	52, 39.383, 307.403
Yxy	20.5539, 0.2726, 0.2270
Android (android.graphics.Color)	4287328691 (0xFF8B71B3)
YUV	128.2980, 24.9961, 9.3857
Hunter-Lab	45.3364, 17.8432, -27.5188

Details

The Yxy color **20.5539, 0.2726, 0.2270** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **40.2073, 0.3425, 0.4271**, and the grayscale version is **21.6076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3778, 0.2823, 0.2471**, and **7.3132, 0.2553, 0.1948** is the 20% darker color. If you saturate the color by 10%, you get **16.0574, 0.2585, 0.1962**, and if you desaturate by 10%, it is **25.9326, 0.2854, 0.2571**.

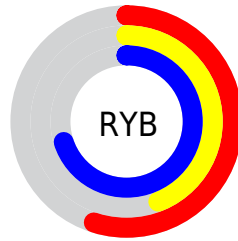
Distribution



Red (55%)

Green (44%)

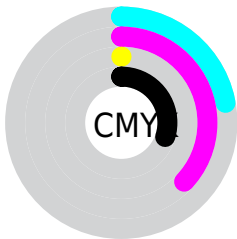
Blue (70%)



Red (55%)

Yellow (44%)

Blue (70%)

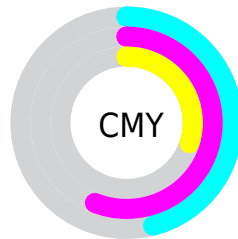


Cyan (22%)

Magenta (37%)

Yellow (0%)

Black (30%)



Cyan (46%)


Magenta (56%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5539, 0.2726, 0.2270 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 20.5539, 0.2726, 0.2270 by changing the saturation by 10% instead.


 20.5539, 0.2726,
0.2270


 20.5539, 0.2726,
0.2270


254.8981, 0.2959,
0.2808


 12.7983, 0.2656,
0.2129


 44.3439, 0.2819,
0.2471


 7.2898, 0.2559,
0.1944


 61.1471, 0.2852,
0.2545

 3.6440, 0.2416,
0.1696

 81.7350, 0.2878,
0.2607

 1.4765, 0.2191,
0.1351

 106.4919, 0.2900,
0.2659

 0.2721, 0.1858,
0.0600

135.8023, 0.2918,
0.2704

 0.0000, 0.0000,
0.0000

170.0505, 0.2934,

0.2744

209.6210, 0.2948,
0.2778

■ 20.5539, 0.2726,
0.2270

■ 20.5539, 0.2726,
0.2270

■ 16.0574, 0.2585,
0.1962

■ 25.9326, 0.2854,
0.2571

■ 12.3914, 0.2435,
0.1660

■ 32.2364, 0.2968,
0.2857

■ 9.5025, 0.2281,
0.1380


■ 39.5082, 0.3067,
0.3122


■ 7.3299, 0.2130,
0.1139


■ 47.7876, 0.3152,
0.3363


■ 5.8029, 0.1992,
0.0950


■ 57.1116, 0.3225,
0.3581

 4.8236, 0.1871,
0.0820

 67.5158, 0.3286,
0.3775

 4.5700, 0.1836,
0.0785

 79.0338, 0.3337,
0.3947

 90.9199, 0.3383,
0.4089

 92.7306, 0.3455,
0.4070

Harmonies

Analogous

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



20.5539, 0.2190, 0.2190



20.5539, 0.2726, 0.2270



20.5539, 0.3444, 0.2557

Triad

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



20.5539, 0.2726, 0.2270



20.5539, 0.4480, 0.4057



20.5539, 0.2174, 0.3501

Complementary

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



20.5539, 0.2726, 0.2270



40.2073, 0.3425, 0.4271

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.



20.5539, 0.2712, 0.4234



20.5539, 0.2726, 0.2270



20.5539, 0.4049, 0.4487

Square

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



20.5539, 0.2726, 0.2270



20.5539, 0.4531, 0.3524



20.5539, 0.3399, 0.4609



20.5539, 0.1900, 0.2799

Rectangle

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



20.5539, 0.2726, 0.2270



20.5539, 0.3928, 0.2839



20.5539, 0.3399, 0.4609



20.5539, 0.2327, 0.3761

Sweetspot

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



20.5547, 0.2726, 0.2270



64.9089, 0.3026, 0.3010



29.7798, 0.2563, 0.2885



13.9952, 0.3013, 0.2975



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.5547, 0.2726, 0.2270



30.3361, 0.2616, 0.2027



23.7606, 0.3082, 0.2370



8.3877, 0.3044, 0.3059



3.2652, 0.1848, 0.0792



0.1371, 0.2185, 0.0978

Inverse Universe

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



23.6997, 0.3473, 0.2721



36.9175, 0.3577, 0.2601



37.4740, 0.3138, 0.4364



8.5890, 0.3196, 0.3153



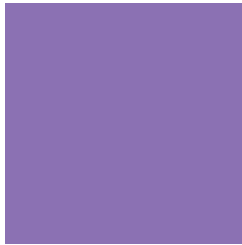
7.5600, 0.4489, 0.2247



0.2489, 0.4045, 0.2002

Previews

White Background



This preview shows how the Yxy color 20.5539, 0.2726, 0.2270 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 20.5539, 0.2726, 0.2270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

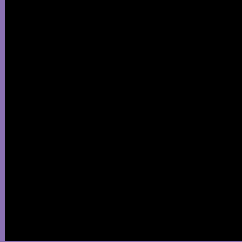
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5539, 0.2726, 0.2270

Background



This preview shows how black text looks on a background with the Yxy color 20.5539, 0.2726, 0.2270.



This preview shows how white text looks on a background with the Yxy color 20.5539, 0.2726, 0.2270.

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

20.5539, 0.2726, 0.2270

Protanopia

20.6373, 0.2349, 0.2240

Deuteranopia

20.7154, 0.2455, 0.2398



Tritanopia

20.6572, 0.3123, 0.3130

Trichromacy



Original Color

20.5539, 0.2726, 0.2270

Protanomaly

20.3673, 0.2469, 0.2240

Deuteranomaly

20.5692, 0.2546, 0.2342

Tritanomaly

20.4319, 0.2973, 0.2779

Monochromacy



Original Color

20.5539, 0.2726, 0.2270

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1780, 0.2972, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5539, 0.2726, 0.2270 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(139, 113, 179)` looks like.

```
.text, #text, p{  
    color:rgb(139, 113, 179)  
}
```

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(139, 113, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 113, 179) }
```

Border

The CSS property to change the border of an element to Yxy 20.5539, 0.2726, 0.2270 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(139, 113, 179) }
```

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

```
.border{ border-color:rgb(139, 113, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 113, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 113, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 113, 179);  
box-shadow:4px 4px 4px 4px rgb(139, 113,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5539, 0.2726, 0.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 113, 179) }
```

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

```
.background{ background-color: rgb(139,  
113, 179) }
```

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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