

Converting Colors

$Y_{xy}(20.7797, 0.2754, 0.2265)$

Have a look what the booklet for
Yxy(20.7797, 0.2754, 0.2265)
contains.

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Color

Yxy(20.8563, 0.2749, 0.2266)

Conversions

Conversions Part 1

Format	Color
Hex	8E71B4
RGB	142, 113, 180
RGB Percent	56%, 44%, 71%
CMY	0.4431, 0.5569, 0.2940
CMYK	0.21, 0.37, 0.00, 0.29
HSL	266°, 31%, 57%
HSV	266°, 37%, 71%
XYZ	25.3018, 20.8563, 45.8820
YIQ	129.3090, -4.2230, 26.9850

Conversions

Conversions Part 2

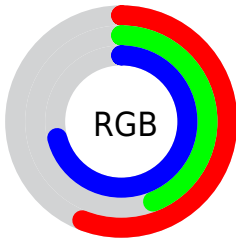
Format	Color
R_{YB}	142, 113, 180
Decimal	9335220
CIE _{Lab}	52.79, 25.13, -31.34
CIE _{LCh}	53, 40.166, 308.725
Yxy	20.8563, 0.2749, 0.2266
Android (android.graphics.Color)	4287525300 (0xFF8E71B4)
YUV	129.3090, 24.9907, 11.1300
Hunter-Lab	45.6687, 18.9742, -27.5989

Details

The Yxy color $20.8563, 0.2749, 0.2266$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $40.4215, 0.3403, 0.4290$, and the grayscale version is $21.9796, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8367, 0.2840, 0.2467$, and $7.4866, 0.2586, 0.1948$ is the 20% darker color. If you saturate the color by 10%, you get $16.3691, 0.2616, 0.1963$, and if you desaturate by 10%, it is $26.2245, 0.2869, 0.2564$.

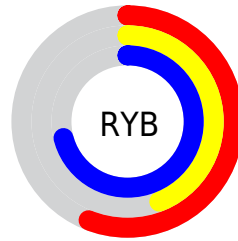
Distribution



Red (56%)

Green (44%)

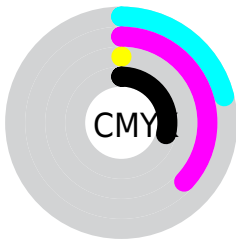
Blue (71%)



Red (56%)

Yellow (44%)

Blue (71%)

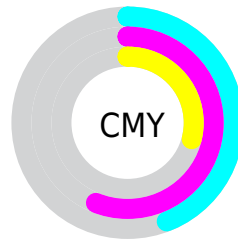


Cyan (21%)

Magenta (37%)

Yellow (0%)

Black (29%)



Cyan (44%)


Magenta (56%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8563, 0.2749, 0.2266 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 20.8563, 0.2749, 0.2266 by changing the saturation by 10% instead.


 20.8563, 0.2749,
0.2266


 20.8563, 0.2749,
0.2266


256.5138, 0.2970,
0.2804


 13.0190, 0.2683,
0.2125


 44.8483, 0.2837,
0.2467

 7.4416, 0.2590,
0.1942


 61.7717, 0.2868,
0.2541

 3.7398, 0.2454,
0.1696

 82.4927, 0.2893,
0.2603

 1.5291, 0.2240,
0.1355

 107.3955, 0.2914,
0.2655

 0.3091, 0.1917,
0.0652

136.8647, 0.2931,
0.2700

 0.0000, 0.0000,
0.0000

171.2845, 0.2946,

0.2739

211.0394, 0.2959,
0.2774

■ 20.8563, 0.2749,
0.2266

■ 20.8563, 0.2749,
0.2266

■ 16.3691, 0.2616,
0.1963

■ 26.2245, 0.2869,
0.2564

■ 12.7109, 0.2475,
0.1668

■ 32.5168, 0.2976,
0.2848

■ 9.8279, 0.2329,
0.1395

■ 39.7764, 0.3068,
0.3113

■ 7.6585, 0.2185,
0.1161

■ 48.0430, 0.3148,
0.3355

■ 6.1313, 0.2051,
0.0978

■ 57.3540, 0.3215,
0.3574

■ 5.1435, 0.1932,
0.0852

■ 67.7449, 0.3272,
0.3770

■ 4.9135, 0.1902,
0.0821

■ 79.2495, 0.3319,
0.3945

■ 90.6113, 0.3362,
0.4082

■ 92.2884, 0.3430,
0.4064

Harmonies

Analogous

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



20.8563, 0.2197, 0.2174



20.8563, 0.2749, 0.2266



20.8563, 0.3482, 0.2565

Triad

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



20.8563, 0.2749, 0.2266



20.8563, 0.4486, 0.4087



20.8563, 0.2142, 0.3469

Complementary

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



20.8563, 0.2749, 0.2266



40.4215, 0.3403, 0.4290

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.



20.8563, 0.2677, 0.4222



20.8563, 0.2749, 0.2266



20.8563, 0.4034, 0.4517

Square

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



20.8563, 0.2749, 0.2266



20.8563, 0.4559, 0.3549



20.8563, 0.3370, 0.4624



20.8563, 0.1879, 0.2764

Rectangle

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



20.8563, 0.2749, 0.2266



20.8563, 0.3970, 0.2853



20.8563, 0.3370, 0.4624



20.8563, 0.2293, 0.3733

Sweetspot

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



20.8571, 0.2749, 0.2266



66.6856, 0.3033, 0.3011



29.2928, 0.2552, 0.2843



14.0335, 0.3021, 0.2976



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.



20.8571, 0.2749, 0.2266



30.7674, 0.2636, 0.2007



24.1536, 0.3107, 0.2367



8.4041, 0.3050, 0.3059



3.4668, 0.1914, 0.0828



0.1438, 0.2246, 0.1011

Inverse Universe

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



23.7489, 0.3512, 0.2751



36.9719, 0.3637, 0.2629



37.7346, 0.3120, 0.4384



8.5833, 0.3201, 0.3162



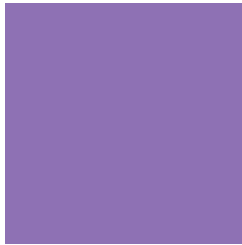
7.4564, 0.4651, 0.2336



0.2461, 0.4148, 0.2059

Previews

White Background



This preview shows how the Yxy color 20.8563, 0.2749, 0.2266 looks on a white background.

Color Contrast Check

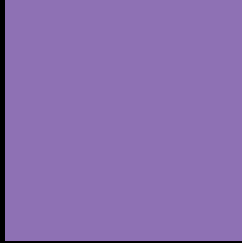
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8563, 0.2749, 0.2266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

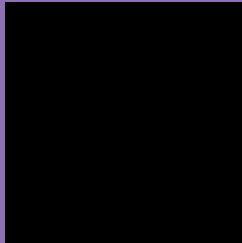
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8563, 0.2749, 0.2266

Background



This preview shows how black text looks on a background with the Yxy color 20.8563, 0.2749, 0.2266.



This preview shows how white text looks on a background with the Yxy color 20.8563, 0.2749, 0.2266.

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

20.8563, 0.2749, 0.2266

Protanopia

21.0325, 0.2347, 0.2233

Deuteranopia

21.0697, 0.2458, 0.2403



Tritanopia

20.9277, 0.3147, 0.3115

Trichromacy



Original Color

20.8563, 0.2749, 0.2266

Protanomaly

20.8297, 0.2475, 0.2236

Deuteranomaly

20.9225, 0.2549, 0.2347

Tritanomaly

20.7140, 0.2997, 0.2769

Monochromacy



Original Color

20.8563, 0.2749, 0.2266

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.3724, 0.2984, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8563, 0.2749, 0.2266 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(142, 113, 180)` looks like.

```
.text, #text, p{  
    color:rgb(142, 113, 180)  
}
```

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(142, 113, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 113, 180) }
```

Border

The CSS property to change the border of an element to Yxy 20.8563, 0.2749, 0.2266 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(142, 113, 180) }
```

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

```
.border{ border-color:rgb(142, 113, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 113, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 113, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 113, 180); box-shadow:4px 4px 4px 4px rgb(142, 113, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8563, 0.2749, 0.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 113, 180) }
```

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

```
.background{ background-color: rgb(142,  
113, 180) }
```

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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