

Converting Colors

$Y_{xy}(20.1661, 0.2755, 0.2232)$

Have a look what the booklet for
Yxy(20.1661, 0.2755, 0.2232)
contains.

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Color

Yxy(20.1573, 0.2755, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	8E6EB3
RGB	142, 110, 179
RGB Percent	56%, 43%, 70%
CMY	0.4432, 0.5686, 0.2979
CMYK	0.21, 0.39, 0.00, 0.30
HSL	268°, 31%, 57%
HSV	268°, 39%, 70%
XYZ	24.8694, 20.1573, 45.2433
YIQ	127.4340, -3.0770, 28.2430

Conversions

Conversions Part 2

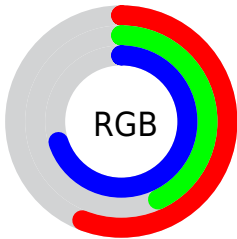
Format	Color
R_{YB}	142, 110, 179
Decimal	9334451
CIE _{Lab}	52.01, 26.63, -31.98
CIE _{LCh}	52, 41.616, 309.792
Yxy	20.1573, 0.2755, 0.2233
Android (android.graphics.Color)	4287524531 (0xFF8E6EB3)
YUV	127.4340, 25.4220, 12.7744
Hunter-Lab	44.8969, 20.3056, -28.3197

Details

The Yxy color **20.1573, 0.2755, 0.2233** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **39.5843, 0.3392, 0.4335**, and the grayscale version is **21.2924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7091, 0.2846, 0.2442**, and **7.1253, 0.2593, 0.1903** is the 20% darker color. If you saturate the color by 10%, you get **15.8640, 0.2628, 0.1934**, and if you desaturate by 10%, it is **25.3058, 0.2870, 0.2529**.

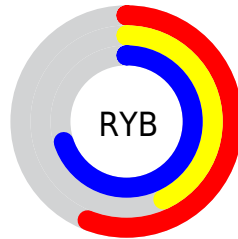
Distribution



Red (56%)

Green (43%)

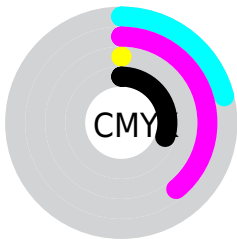
Blue (70%)



Red (56%)

Yellow (43%)

Blue (70%)

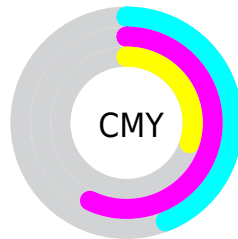


Cyan (21%)

Magenta (39%)

Yellow (0%)

Black (30%)



Cyan (44%)


Magenta (57%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1573, 0.2755, 0.2233 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 20.1573, 0.2755, 0.2233 by changing the saturation by 10% instead.


 20.1573, 0.2755,
0.2233


 20.1573, 0.2755,
0.2233


252.7654, 0.2974,
0.2789


 12.5094, 0.2688,
0.2088


 43.6808, 0.2843,
0.2441

 7.0916, 0.2595,
0.1898


 60.3251, 0.2874,
0.2517

 3.5195, 0.2456,
0.1645

 80.7371, 0.2899,
0.2581

 1.4086, 0.2237,
0.1294

 105.3012, 0.2919,
0.2635

 0.2230, 0.1919,
0.0496

134.4016, 0.2936,
0.2682

 0.0000, 0.0000,
0.0000

168.4229, 0.2951,

0.2722

207.7493, 0.2963,
0.2758

■ 20.1573, 0.2755,
0.2233

■ 20.1573, 0.2755,
0.2233

■ 15.8640, 0.2628,
0.1934

■ 25.3058, 0.2870,
0.2529

■ 12.3745, 0.2493,
0.1646

■ 31.3523, 0.2972,
0.2813

■ 9.6352, 0.2353,
0.1382

■ 38.3394, 0.3061,
0.3079

■ 7.5847, 0.2216,
0.1159

■ 46.3064, 0.3137,
0.3324

■ 6.1515, 0.2088,
0.0987

■ 55.2900, 0.3202,
0.3546

■ 5.2136, 0.1972,
0.0867

■ 65.3253, 0.3256,
0.3746

■ 5.0939, 0.1956,
0.0851

■ 76.4456, 0.3301,
0.3925

■ 88.6827, 0.3339,
0.4084

■ 91.3421, 0.3400,
0.4084

Harmonies

Analogous

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



20.1573, 0.2173, 0.2128



20.1573, 0.2755, 0.2233



20.1573, 0.3525, 0.2549

Triad

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



20.1573, 0.2755, 0.2233



20.1573, 0.4534, 0.4132



20.1573, 0.2083, 0.3445

Complementary

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



20.1573, 0.2755, 0.2233



39.5843, 0.3392, 0.4335

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.



20.1573, 0.2629, 0.4247



20.1573, 0.2755, 0.2233



20.1573, 0.4047, 0.4581

Square

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



20.1573, 0.2755, 0.2233



20.1573, 0.4632, 0.3572



20.1573, 0.3348, 0.4688



20.1573, 0.1824, 0.2714

Rectangle

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



20.1573, 0.2755, 0.2233



20.1573, 0.4034, 0.2850



20.1573, 0.3348, 0.4688



20.1573, 0.2236, 0.3724

Sweetspot

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



20.1581, 0.2755, 0.2233



63.8804, 0.3030, 0.2985



27.7402, 0.2526, 0.2786



13.7940, 0.3019, 0.2951



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.



20.1581, 0.2755, 0.2233



29.6628, 0.2651, 0.1987



23.5888, 0.3132, 0.2343



8.4167, 0.3055, 0.3060



3.6363, 0.1969, 0.0858



0.1492, 0.2294, 0.1037

Inverse Universe

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



22.8469, 0.3557, 0.2760



35.3105, 0.3689, 0.2649



36.9187, 0.3100, 0.4435



8.5789, 0.3206, 0.3168



7.3828, 0.4777, 0.2405



0.2439, 0.4229, 0.2103

Previews

White Background



This preview shows how the Yxy color 20.1573, 0.2755, 0.2233 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 20.1573, 0.2755, 0.2233 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 20.1573, 0.2755, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 20.1573, 0.2755, 0.2233.



This preview shows how white text looks on a background with the Yxy color 20.1573, 0.2755, 0.2233.

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

20.1573, 0.2755, 0.2233

Protanopia

20.3599, 0.2318, 0.2194

Deuteranopia

20.3038, 0.2442, 0.2390



Tritanopia

20.1130, 0.3185, 0.3113

Trichromacy



Original Color

20.1573, 0.2755, 0.2233

Protanomaly

20.1727, 0.2460, 0.2211

Deuteranomaly

19.9827, 0.2540, 0.2319

Tritanomaly

19.9473, 0.3019, 0.2749

Monochromacy



Original Color

20.1573, 0.2755, 0.2233

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6556, 0.2982, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1573, 0.2755, 0.2233 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, 110, 179)` looks like.

```
.text, #text, p{  
    color:rgb(142, 110, 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(142, 110, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 110, 179) }
```

Border

The CSS property to change the border of an element to Yxy 20.1573, 0.2755, 0.2233 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, 110, 179) }
```

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

```
.border{ border-color:rgb(142, 110, 179) }
```

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

Here you see how a box with a 4 pixel rgb(142, 110, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 110, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 110, 179);  
box-shadow:4px 4px 4px 4px rgb(142, 110,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1573, 0.2755, 0.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 110, 179) }
```

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

```
.background{ background-color: rgb(142,  
110, 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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