

Converting Colors

$Y_{xy}(20.0829, 0.3244, 0.2721)$

Have a look what the booklet for
Yxy(20.0829, 0.3244, 0.2721)
contains.

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Color

Yxy(19.9995, 0.3243, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	996E92
RGB	153, 110, 146
RGB Percent	60%, 43%, 57%
CMY	0.4001, 0.5686, 0.4275
CMYK	0.00, 0.28, 0.05, 0.40
HSL	310°, 17%, 52%
HSV	310°, 28%, 60%
XYZ	23.8977, 19.9995, 29.7929
YIQ	126.9610, 14.0720, 20.3120

Conversions

Conversions Part 2

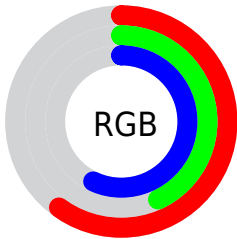
Format	Color
R_{YB}	153, 110, 146
Decimal	10055314
CIE _{Lab}	51.84, 23.18, -12.88
CIE _{LCh}	52, 26.519, 330.938
Yxy	19.9995, 0.3243, 0.2714
Android (android.graphics.Color)	4288245394 (0xFF996E92)
YUV	126.9610, 9.3862, 22.8362
Hunter-Lab	44.7208, 17.1247, -8.1943

Details

The Yxy color $19.9995, 0.3243, 0.2714$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $27.3757, 0.3030, 0.3944$, and the grayscale version is $21.1731, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.4207, 0.3222, 0.2834$, and $7.0382, 0.3282, 0.2523$ is the 20% darker color. If you saturate the color by 10%, you get $16.9023, 0.3294, 0.2508$, and if you desaturate by 10%, it is $23.6701, 0.3197, 0.2923$.

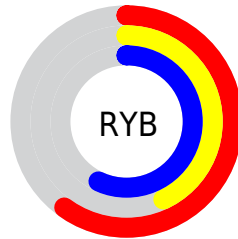
Distribution



Red (60%)

Green (43%)

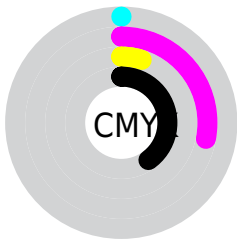
Blue (57%)



Red (60%)

Yellow (43%)

Blue (57%)

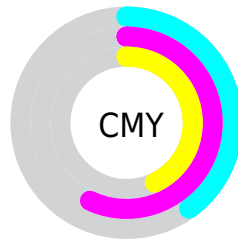


Cyan (0%)

Magenta (28%)

Yellow (5%)

Black (40%)



Cyan (40%)


Magenta (57%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9995, 0.3243, 0.2714 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 19.9995, 0.3243, 0.2714 by changing the saturation by 10% instead.


 19.9995, 0.3243,
0.2714

 19.9995, 0.3243,
0.2714


251.9124, 0.3183,
0.3029


 12.3947, 0.3258,
0.2626


 43.4163, 0.3221,
0.2835


 7.0131, 0.3278,
0.2505


 59.9972, 0.3213,
0.2879

 3.4703, 0.3304,
0.2333

 80.3388, 0.3206,
0.2915

 1.3819, 0.3338,
0.2068

 104.8256, 0.3200,
0.2945

 0.2033, 0.3627,
0.0971

133.8419, 0.3195,
0.2970

 0.0000, 0.0000,
0.0000

167.7722, 0.3190,

0.2992

207.0009, 0.3186,
0.3012

■ 19.9995, 0.3243,
0.2714

■ 19.9995, 0.3243,
0.2714

■ 16.9023, 0.3294,
0.2508

■ 23.6701, 0.3197,
0.2923

■ 14.3466, 0.3350,
0.2314

■ 27.9385, 0.3156,
0.3129

■ 12.3012, 0.3409,
0.2140

■ 32.8313, 0.3121,
0.3327

■ 10.7311, 0.3470,
0.1995

■ 38.3722, 0.3090,
0.3515

■ 9.5964, 0.3532,
0.1887

■ 44.5840, 0.3064,
0.3691

■ 8.8511, 0.3592,
0.1821

■ 51.4884, 0.3041,
0.3854

■ 8.4080, 0.3649,
0.1794

■ 59.1059, 0.3023,
0.4004

■ 8.3318, 0.3661,
0.1790

■ 67.4564, 0.3007,
0.4141

■ 76.5588, 0.2993,
0.4266

Harmonies

Analogous

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



19.9995, 0.2762, 0.2535



19.9995, 0.3243, 0.2714



19.9995, 0.3726, 0.3021

Triad

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



19.9995, 0.3243, 0.2714



19.9995, 0.3863, 0.4082



19.9995, 0.2286, 0.3066

Complementary

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



19.9995, 0.3243, 0.2714



27.3757, 0.3030, 0.3944

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.



19.9995, 0.2538, 0.3552



19.9995, 0.3243, 0.2714



19.9995, 0.3442, 0.4179

Square

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



19.9995, 0.3243, 0.2714



19.9995, 0.4093, 0.3784



19.9995, 0.2957, 0.3986



19.9995, 0.2242, 0.2700

Rectangle

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



19.9995, 0.3243, 0.2714



19.9995, 0.3967, 0.3270



19.9995, 0.2957, 0.3986



19.9995, 0.2348, 0.3221

Sweetspot

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



20.0004, 0.3243, 0.2714



49.9903, 0.3157, 0.3127



17.1987, 0.2723, 0.2520



10.7859, 0.3162, 0.3099



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.0004, 0.3243, 0.2714



32.0617, 0.3276, 0.2578



19.4072, 0.3513, 0.3042



6.3064, 0.3161, 0.3106



6.8923, 0.3657, 0.1788



0.1071, 0.3430, 0.1663

Inverse Universe

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



20.0004, 0.3243, 0.2714



32.0617, 0.3276, 0.2578



27.9247, 0.2852, 0.3555



6.3064, 0.3161, 0.3106



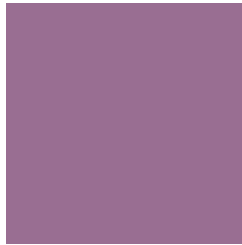
6.8923, 0.3657, 0.1788



0.1071, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 19.9995, 0.3243, 0.2714 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 19.9995, 0.3243, 0.2714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

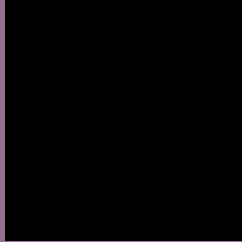
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9995, 0.3243, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 19.9995, 0.3243, 0.2714.



This preview shows how white text looks on a background with the Yxy color 19.9995, 0.3243, 0.2714.

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

19.9995, 0.3243, 0.2714

Protanopia

20.2455, 0.2719, 0.2725

Deuteranopia

20.1240, 0.2934, 0.2883



Tritanopia

19.9487, 0.3489, 0.3140

Trichromacy



Original Color

19.9995, 0.3243, 0.2714

Protanomaly

19.8910, 0.2884, 0.2706

Deuteranomaly

20.0012, 0.3040, 0.2812

Tritanomaly

20.0283, 0.3401, 0.2992

Monochromacy



Original Color

19.9995, 0.3243, 0.2714

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6302, 0.3162, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9995, 0.3243, 0.2714 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(153, 110, 146)` looks like.

```
.text, #text, p{  
    color:rgb(153, 110, 146)  
}
```

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(153, 110, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 110, 146) }
```

Border

The CSS property to change the border of an element to Yxy 19.9995, 0.3243, 0.2714 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(153, 110, 146) }
```

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

```
.border{ border-color:rgb(153, 110, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 110, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 110, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 110, 146);  
box-shadow:4px 4px 4px 4px rgb(153, 110,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9995, 0.3243, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 110, 146) }
```

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

```
.background{ background-color: rgb(153,  
110, 146) }
```

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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