

Converting Colors

$Y_{xy}(20.1102, 0.3244, 0.2597)$

Have a look what the booklet for
Yxy(20.1102, 0.3244, 0.2597)
contains.

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Color

Yxy(20.1533, 0.3249, 0.2596)

Conversions

Conversions Part 1

Format	Color
Hex	9F6B98
RGB	159, 107, 152
RGB Percent	62%, 42%, 60%
CMY	0.3764, 0.5804, 0.4040
CMYK	0.00, 0.33, 0.04, 0.38
HSL	308°, 21%, 52%
HSV	308°, 33%, 62%
XYZ	25.2227, 20.1533, 32.2561
YIQ	127.6780, 16.5470, 25.0190

Conversions

Conversions Part 2

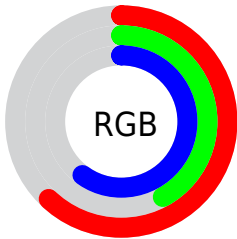
Format	Color
R _Y B	159, 107, 152
Decimal	10447768
CIE Lab	52.01, 28.16, -16.07
CIE LCh	52, 32.422, 330.293
Yxy	20.1533, 0.3249, 0.2596
Android (android.graphics.Color)	4288637848 (0xFF9F6B98)
YUV	127.6780, 11.9907, 27.4694
Hunter-Lab	44.8924, 21.7280, -11.1764

Details

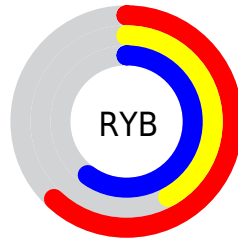
The Yxy color $20.1533, 0.3249, 0.2596$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.1406, 0.3026, 0.4101$, and the grayscale version is $21.4231, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5486, 0.3226, 0.2740$, and $7.0915, 0.3289, 0.2350$ is the 20% darker color. If you saturate the color by 10%, you get $17.0680, 0.3295, 0.2389$, and if you desaturate by 10%, it is $23.8514, 0.3207, 0.2811$.

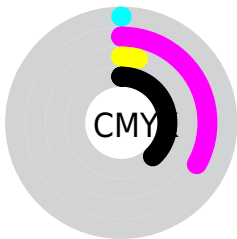
Distribution



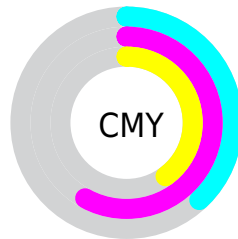
- Red (62%)
- Green (42%)
- Blue (60%)



- Red (62%)
- Yellow (42%)
- Blue (60%)



- Cyan (0%)
- Magenta (33%)
- Yellow (4%)
- Black (38%)





- Cyan (38%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1533, 0.3249, 0.2596 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 20.1533, 0.3249, 0.2596 by changing the saturation by 10% instead.


 20.1533, 0.3249,
0.2596


 20.1533, 0.3249,
0.2596


252.7438, 0.3188,
0.2971


 12.5065, 0.3263,
0.2493


 43.6741, 0.3227,
0.2739

 7.0896, 0.3281,
0.2354


 60.3168, 0.3219,
0.2791

 3.5182, 0.3303,
0.2159

 80.7270, 0.3212,
0.2833

 1.4079, 0.3326,
0.1866

 105.2891, 0.3206,
0.2870

 0.2225, 0.3535,
0.0874

134.3874, 0.3201,
0.2900

 0.0000, 0.0000,
0.0000

168.4064, 0.3196,

0.2927

207.7304, 0.3192,
0.2950

■ 20.1533, 0.3249,
0.2596

■ 20.1533, 0.3249,
0.2596

■ 17.0680, 0.3295,
0.2389

■ 23.8514, 0.3207,
0.2811

■ 14.5593, 0.3344,
0.2198

■ 28.1904, 0.3169,
0.3025

■ 12.5914, 0.3395,
0.2033


■ 33.2001, 0.3135,
0.3235


■ 11.1234, 0.3446,
0.1901


■ 38.9076, 0.3106,
0.3435

■ 10.1086, 0.3497,
0.1810

■ 45.3384, 0.3081,
0.3623

 9.4914, 0.3544,
0.1762

 52.5169, 0.3059,
0.3798

 9.1925, 0.3578,
0.1745

 60.4661, 0.3041,
0.3960

 69.2082, 0.3025,
0.4108

 78.7646, 0.3012,
0.4243

Harmonies

Analogous

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



20.1533, 0.2671, 0.2388



20.1533, 0.3249, 0.2596



20.1533, 0.3845, 0.2953

Triad

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



20.1533, 0.3249, 0.2596



20.1533, 0.4018, 0.4235



20.1533, 0.2122, 0.3017

Complementary

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



20.1533, 0.3249, 0.2596



29.1406, 0.3026, 0.4101

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.



20.1533, 0.2421, 0.3620



20.1533, 0.3249, 0.2596



20.1533, 0.3509, 0.4385

Square

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



20.1533, 0.3249, 0.2596



20.1533, 0.4302, 0.3856



20.1533, 0.2923, 0.4164



20.1533, 0.2069, 0.2578

Rectangle

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



20.1533, 0.3249, 0.2596



20.1533, 0.4146, 0.3244



20.1533, 0.2923, 0.4164



20.1533, 0.2195, 0.3208

Sweetspot

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



20.1542, 0.3249, 0.2596



52.6223, 0.3160, 0.3079



16.5930, 0.2633, 0.2368



11.6074, 0.3165, 0.3051



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.1542, 0.3249, 0.2596



32.0913, 0.3281, 0.2449



19.3962, 0.3589, 0.2984



6.7391, 0.3157, 0.3099



7.2643, 0.3575, 0.1743



0.1338, 0.3409, 0.1652

Inverse Universe

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



20.1542, 0.3249, 0.2596



32.0913, 0.3281, 0.2449



29.8166, 0.2817, 0.3622



6.7391, 0.3157, 0.3099



7.2643, 0.3575, 0.1743



0.1338, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 20.1533, 0.3249, 0.2596 looks on a white background.

Color Contrast Check

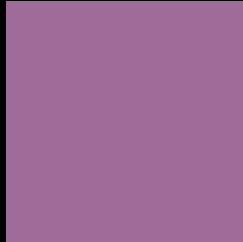
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1533, 0.3249, 0.2596 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 20.1533, 0.3249, 0.2596

Background



This preview shows how black text looks on a background with the Yxy color 20.1533, 0.3249, 0.2596.



This preview shows how white text looks on a background with the Yxy color 20.1533, 0.3249, 0.2596.

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

20.1533, 0.3249, 0.2596

Protanopia

20.3210, 0.2618, 0.2595

Deuteranopia

20.3741, 0.2861, 0.2816



Tritanopia

20.1840, 0.3571, 0.3143

Trichromacy



Original Color

20.1533, 0.3249, 0.2596

Protanomaly

19.9716, 0.2823, 0.2584

Deuteranomaly

20.2430, 0.2997, 0.2735

Tritanomaly

20.1303, 0.3445, 0.2935

Monochromacy



Original Color

20.1533, 0.3249, 0.2596

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.7281, 0.3165, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1533, 0.3249, 0.2596 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(159, 107, 152)` looks like.

```
.text, #text, p{  
    color:rgb(159, 107, 152)  
}
```

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(159, 107, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 107, 152) }
```

Border

The CSS property to change the border of an element to Yxy 20.1533, 0.3249, 0.2596 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(159, 107, 152) }
```

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

```
.border{ border-color:rgb(159, 107, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 107, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 107, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 107, 152);  
box-shadow:4px 4px 4px 4px rgb(159, 107,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1533, 0.3249, 0.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 107, 152) }
```

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

```
.background{ background-color: rgb(159,  
107, 152) }
```

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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