

Converting Colors

$Y_{xy}(21.0366, 0.3355, 0.3027)$

Have a look what the booklet for
Yxy(21.0366, 0.3355, 0.3027)
contains.

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Color

Yxy(20.9001, 0.3355, 0.3026)

Conversions

Conversions Part 1

Format	Color
Hex	967585
RGB	150, 117, 133
RGB Percent	59%, 46%, 52%
CMY	0.4117, 0.5412, 0.4785
CMYK	0.00, 0.22, 0.11, 0.41
HSL	331°, 14%, 52%
HSV	331°, 22%, 59%
XYZ	23.1725, 20.9001, 24.9959
YIQ	128.6910, 14.5320, 11.9720

Conversions

Conversions Part 2

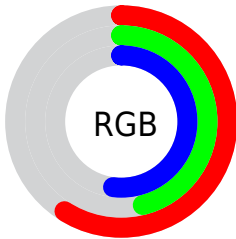
Format	Color
R_{YB}	150, 117, 133
Decimal	9860485
CIE _{Lab}	52.84, 15.63, -3.77
CIE _{LCh}	53, 16.079, 346.433
Yxy	20.9001, 0.3355, 0.3026
Android (android.graphics.Color)	4288050565 (0xFF967585)
YUV	128.6910, 2.1243, 18.6880
Hunter-Lab	45.7166, 10.4724, -0.4155

Details

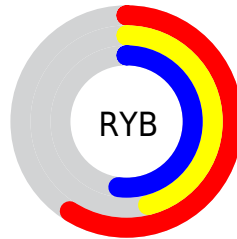
The Yxy color $20.9001, 0.3355, 0.3026$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $27.3193, 0.2947, 0.3570$, and the grayscale version is $21.8284, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7585, 0.3301, 0.3081$, and $7.4270, 0.3443, 0.2902$ is the 20% darker color. If you saturate the color by 10%, you get $17.4749, 0.3492, 0.2899$, and if you desaturate by 10%, it is $24.9031, 0.3240, 0.3150$.

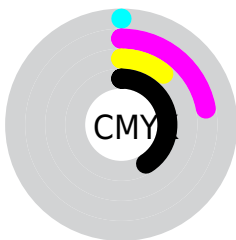
Distribution



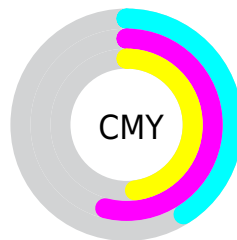
- Red (59%)
- Green (46%)
- Blue (52%)



- Red (59%)
- Yellow (46%)
- Blue (52%)



- Cyan (0%)
- Magenta (22%)
- Yellow (11%)
- Black (41%)





- Cyan (41%)
- Magenta (54%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9001, 0.3355, 0.3026 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 20.9001, 0.3355, 0.3026 by changing the saturation by 10% instead.


 20.9001, 0.3355,
0.3026


 20.9001, 0.3355,
0.3026

256.7471, 0.3227,
0.3173

 13.0510, 0.3393,
0.2983


 44.9212, 0.3305,
0.3084

 7.4637, 0.3445,
0.2924


 61.8620, 0.3287,
0.3104

 3.7537, 0.3524,
0.2836

 82.6022, 0.3273,
0.3121

 1.5368, 0.3653,
0.2694

107.5261, 0.3260,
0.3135

 0.3144, 0.4250,
0.1964

137.0181, 0.3250,
0.3146

 0.0000, 0.0000,
0.0000

171.4627, 0.3241,

0.3157

211.2443, 0.3234,
0.3165

■ 20.9001, 0.3355,
0.3026

■ 20.9001, 0.3355,
0.3026

■ 17.4749, 0.3492,
0.2899

■ 24.9031, 0.3240,
0.3150

■ 14.5977, 0.3654,
0.2774

■ 29.5064, 0.3144,
0.3267

■ 12.2403, 0.3843,
0.2658

■ 34.7344, 0.3065,
0.3378

■ 10.3709, 0.4057,
0.2559

■ 40.6096, 0.2999,
0.3480

■ 8.9540, 0.4293,
0.2490

■ 47.1532, 0.2945,
0.3574

7.9493, 0.4542,
0.2461

54.3857, 0.2899,
0.3661

7.3094, 0.4793,
0.2482

62.3263, 0.2862,
0.3740

6.9607, 0.4992,
0.2523

70.9938, 0.2831,
0.3813

80.4061, 0.2805,
0.3879

Harmonies

Analogous

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



20.9001, 0.3057, 0.2865



20.9001, 0.3355, 0.3026



20.9001, 0.3599, 0.3252

Triad

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



20.9001, 0.3355, 0.3026



20.9001, 0.3457, 0.3810



20.9001, 0.2577, 0.3040

Complementary

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



20.9001, 0.3355, 0.3026



27.3193, 0.2947, 0.3570

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.



20.9001, 0.2674, 0.3302



20.9001, 0.3355, 0.3026



20.9001, 0.3175, 0.3767

Square

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



20.9001, 0.3355, 0.3026



20.9001, 0.3656, 0.3704



20.9001, 0.2890, 0.3576



20.9001, 0.2619, 0.2863

Rectangle

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



20.9001, 0.3355, 0.3026



20.9001, 0.3691, 0.3417



20.9001, 0.2890, 0.3576



20.9001, 0.2594, 0.3120

Sweetspot

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



20.9010, 0.3355, 0.3026



47.7593, 0.3191, 0.3208



19.9534, 0.2956, 0.2728



10.4939, 0.3196, 0.3202



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.9010, 0.3355, 0.3026



34.0316, 0.3414, 0.2969



20.4925, 0.3558, 0.3291



5.8594, 0.3211, 0.3183



5.7789, 0.4975, 0.2514



0.0766, 0.4074, 0.2018

Inverse Universe

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



20.9010, 0.3355, 0.3026



34.0316, 0.3414, 0.2969



27.7995, 0.2810, 0.3289



5.8594, 0.3211, 0.3183



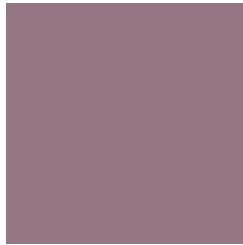
5.7789, 0.4975, 0.2514



0.0766, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 20.9001, 0.3355, 0.3026 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 20.9001, 0.3355, 0.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

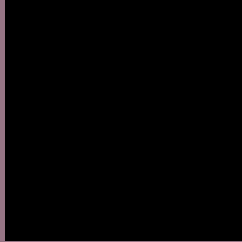
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9001, 0.3355, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 20.9001, 0.3355, 0.3026.



This preview shows how white text looks on a background with the Yxy color 20.9001, 0.3355, 0.3026.

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

20.9001, 0.3355, 0.3026

Protanopia

21.1167, 0.2986, 0.3075

Deuteranopia

21.0661, 0.3183, 0.3133



Tritanopia

20.8787, 0.3414, 0.3140

Trichromacy



Original Color

20.9001, 0.3355, 0.3026

Protanomaly

21.0118, 0.3114, 0.3063

Deuteranomaly

21.0034, 0.3247, 0.3102

Tritanomaly

20.9314, 0.3389, 0.3107

Monochromacy



Original Color

20.9001, 0.3355, 0.3026

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5973, 0.3215, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9001, 0.3355, 0.3026 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(150, 117, 133)` looks like.

```
.text, #text, p{  
    color:rgb(150, 117, 133)  
}
```

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(150, 117, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 117, 133) }
```

Border

The CSS property to change the border of an element to Yxy 20.9001, 0.3355, 0.3026 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(150, 117, 133) }
```

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

```
.border{ border-color:rgb(150, 117, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 117, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 117, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 117, 133);  
box-shadow:4px 4px 4px 4px rgb(150, 117,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9001, 0.3355, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 117, 133) }
```

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

```
.background{ background-color: rgb(150,  
117, 133) }
```

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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