

Converting Colors

$Y_{xy}(20.2000, 0.3345, 0.3651)$

Have a look what the booklet for
Yxy(20.2000, 0.3345, 0.3651)
contains.

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Color

Yxy(20.0678, 0.3344, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	7D7D6A
RGB	125, 125, 106
RGB Percent	49%, 49%, 42%
CMY	0.5099, 0.5098, 0.5843
CMYK	0.00, 0.00, 0.15, 0.51
HSL	60°, 8%, 45%
HSV	60°, 15%, 49%
XYZ	18.3904, 20.0678, 16.5371
YIQ	122.8340, 6.0990, -5.9090

Conversions

Conversions Part 2

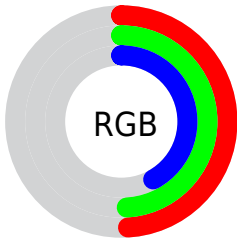
Format	Color
R_{YB}	106, 125, 106
Decimal	8224106
CIE _{Lab}	51.91, -3.54, 10.38
CIE _{LCh}	52, 10.971, 108.817
Yxy	20.0678, 0.3344, 0.3649
Android (android.graphics.Color)	4286414186 (0xFF7D7D6A)
YUV	122.8340, -8.2992, 1.8996
Hunter-Lab	44.7971, -5.1158, 9.4707

Details

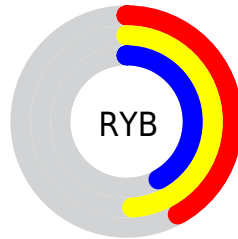
The Yxy color **20.0678, 0.3344, 0.3649** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8522, 0.2894, 0.2904**, and the grayscale version is **19.7756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7401, 0.3300, 0.3576**, and **7.0211, 0.3429, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **19.8261, 0.3489, 0.3890**, and if you desaturate by 10%, it is **20.3492, 0.3200, 0.3411**.

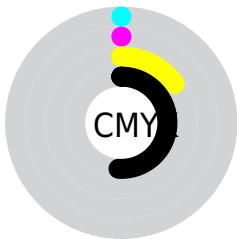
Distribution



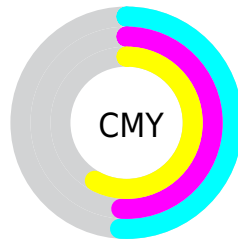
- Red (49%)
- Green (49%)
- Blue (42%)



- Red (42%)
- Yellow (49%)
- Blue (42%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (51%)




- Cyan (51%)
- Magenta (51%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0678, 0.3344, 0.3649 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 20.0678, 0.3344, 0.3649 by changing the saturation by 10% instead.


 20.0678, 0.3344,
0.3649


 20.0678, 0.3344,
0.3649


252.2819, 0.3221,
0.3443


 12.4443, 0.3380,
0.3712


 43.5308, 0.3295,
0.3566


 7.0471, 0.3431,
0.3802


 60.1392, 0.3279,
0.3538

 3.4915, 0.3507,
0.3940

 80.5113, 0.3265,
0.3514

 1.3934, 0.3654,
0.4204

 105.0315, 0.3253,
0.3495

 0.2119, 0.3518,
0.6482

134.0843, 0.3243,
0.3479

 0.0000, 0.0000,
0.0000

168.0541, 0.3235,

0.3465

207.3251, 0.3228,
0.3453

■ 20.0678, 0.3344,
0.3649

■ 20.0678, 0.3344,
0.3649

■ 19.8261, 0.3489,
0.3890

■ 20.3492, 0.3200,
0.3411

■ 19.6198, 0.3632,
0.4126

■ 20.6691, 0.3061,
0.3181

■ 19.4480, 0.3767,
0.4351

■ 21.0300, 0.2930,
0.2963

■ 19.3089, 0.3890,
0.4554

■ 21.4331, 0.2807,
0.2759

■ 19.2003, 0.3995,
0.4728

■ 21.8799, 0.2693,
0.2571

■ 19.1200, 0.4079,
0.4867

■ 22.3715, 0.2588,
0.2398

■ 19.0652, 0.4139,
0.4966

■ 22.9091, 0.2493,
0.2241

■ 19.0319, 0.4176,
0.5028

■ 23.4939, 0.2407,
0.2099

■ 19.0182, 0.4191,
0.5054

■ 24.1271, 0.2329,
0.1970

Harmonies

Analogous

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



20.0678, 0.3486, 0.3588



20.0678, 0.3344, 0.3649



20.0678, 0.3147, 0.3608

Triad

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



20.0678, 0.3344, 0.3649



20.0678, 0.2741, 0.3108



20.0678, 0.3301, 0.3117

Complementary

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



20.0678, 0.3344, 0.3649



14.8522, 0.2894, 0.2904

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.



20.0678, 0.3097, 0.2997



20.0678, 0.3344, 0.3649



20.0678, 0.2778, 0.2987

Square

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



20.0678, 0.3344, 0.3649



20.0678, 0.2802, 0.3286



20.0678, 0.2906, 0.2950



20.0678, 0.3462, 0.3280

Rectangle

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



20.0678, 0.3344, 0.3649



20.0678, 0.3012, 0.3526



20.0678, 0.2906, 0.2950



20.0678, 0.3235, 0.3070

Sweetspot

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



20.0687, 0.3344, 0.3649



36.4399, 0.3199, 0.3409



15.7072, 0.3397, 0.3291



8.2818, 0.3207, 0.3422



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



20.0687, 0.3344, 0.3649



35.7855, 0.3391, 0.3727



19.3887, 0.3225, 0.3663



5.0192, 0.3256, 0.3503



19.8463, 0.4191, 0.5054



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8522, 0.2894, 0.2904



24.7100, 0.2839, 0.2813



15.4659, 0.3017, 0.2918



4.2120, 0.2993, 0.3067



1.5464, 0.1501, 0.0600



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.0678, 0.3344, 0.3649 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 20.0678, 0.3344, 0.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

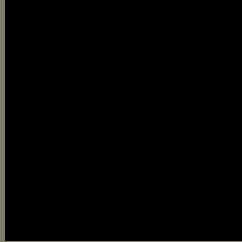
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

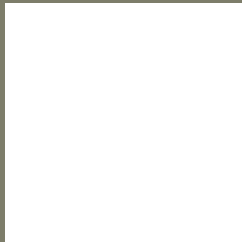
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0678, 0.3344, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 20.0678, 0.3344, 0.3649.



This preview shows how white text looks on a background with the Yxy color 20.0678, 0.3344, 0.3649.

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

20.0678, 0.3344, 0.3649

Protanopia

19.9317, 0.3426, 0.3625

Deuteranopia

20.0060, 0.3573, 0.3503



Tritanopia

19.9026, 0.3099, 0.3109

Trichromacy



Original Color

20.0678, 0.3344, 0.3649

Protanomaly

20.0244, 0.3397, 0.3645

Deuteranomaly

19.9705, 0.3487, 0.3544

Tritanomaly

19.8362, 0.3189, 0.3290

Monochromacy



Original Color

20.0678, 0.3344, 0.3649

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9847, 0.3206, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0678, 0.3344, 0.3649 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(125, 125, 106)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 106)  
}
```

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(125, 125, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 106) }
```

Border

The CSS property to change the border of an element to Yxy 20.0678, 0.3344, 0.3649 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(125, 125, 106) }
```

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

```
.border{ border-color:rgb(125, 125, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 125, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 125, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 125, 106);  
box-shadow:4px 4px 4px 4px rgb(125, 125,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0678, 0.3344, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 106) }
```

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

```
.background{ background-color: rgb(125,  
125, 106) }
```

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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