

Converting Colors

$Y_{xy}(20.1864, 0.3406, 0.3543)$

Have a look what the booklet for
Yxy(20.1864, 0.3406, 0.3543)
contains.

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Color

Yxy(20.1756, 0.3404, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	847B6D
RGB	132, 123, 109
RGB Percent	52%, 48%, 43%
CMY	0.4822, 0.5177, 0.5725
CMYK	0.00, 0.07, 0.17, 0.48
HSL	36°, 10%, 47%
HSV	36°, 17%, 52%
XYZ	19.3622, 20.1756, 17.3429
YIQ	124.0950, 9.8580, -2.4460

Conversions

Conversions Part 2

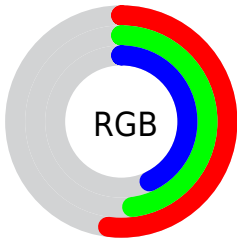
Format	Color
R_{YB}	124, 132, 109
Decimal	8682349
CIE Lab	52.04, 0.94, 8.89
CIE LCh	52, 8.938, 83.934
Yxy	20.1756, 0.3404, 0.3547
Android (android.graphics.Color)	4286872429 (0xFF847B6D)
YUV	124.0950, -7.4418, 6.9327
Hunter-Lab	44.9173, -1.6603, 8.5497

Details

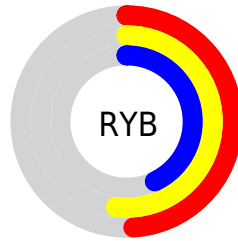
The Yxy color **20.1756, 0.3404, 0.3547** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8838, 0.2862, 0.3019**, and the grayscale version is **20.2136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5123, 0.3344, 0.3491**, and **7.0392, 0.3505, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **18.6619, 0.3586, 0.3702**, and if you desaturate by 10%, it is **21.8018, 0.3239, 0.3397**.

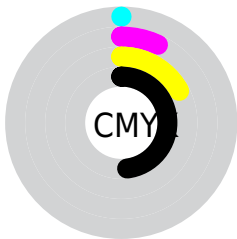
Distribution



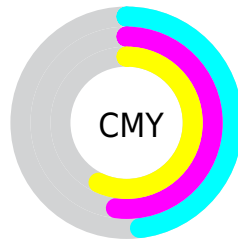
- Red (52%)
- Green (48%)
- Blue (43%)



- Red (49%)
- Yellow (52%)
- Blue (43%)



- Cyan (0%)
- Magenta (7%)
- Yellow (17%)
- Black (48%)



- Cyan (48%)
- Magenta (52%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1756, 0.3404, 0.3547 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 20.1756, 0.3404, 0.3547 by changing the saturation by 10% instead.

■ 20.1756, 0.3404,
0.3547

■ 20.1756, 0.3404,
0.3547

252.8642, 0.3246,
0.3401

■ 12.5228, 0.3452,
0.3591

■ 43.7114, 0.3341,
0.3489

■ 7.1007, 0.3519,
0.3652

■ 60.3631, 0.3319,
0.3469

■ 3.5252, 0.3621,
0.3745

■ 80.7833, 0.3301,
0.3452

■ 1.4117, 0.3800,
0.3906

■ 105.3563, 0.3287,
0.3439

■ 0.2253, 0.5129,
0.4871

134.4664, 0.3274,
0.3427

■ 0.0000, 0.0000,
0.0000

168.4982, 0.3263,

0.3417

207.8360, 0.3254,
0.3409

■ 20.1756, 0.3404,
0.3547

■ 20.1756, 0.3404,
0.3547

■ 18.6619, 0.3586,
0.3702

■ 21.8018, 0.3239,
0.3397

■ 17.2551, 0.3785,
0.3858

■ 23.5407, 0.3091,
0.3254

■ 15.9529, 0.3998,
0.4008

■ 25.3958, 0.2959,
0.3121

■ 14.7522, 0.4219,
0.4145

■ 27.3696, 0.2842,
0.2997

■ 13.6492, 0.4442,
0.4258

■ 29.4646, 0.2738,
0.2882

■ 12.6402, 0.4656,
0.4336

■ 31.6833, 0.2646,
0.2777

■ 11.7207, 0.4850,
0.4371

■ 34.0279, 0.2564,
0.2680

■ 10.8831, 0.5020,
0.4363

■ 36.5007, 0.2492,
0.2592

■ 10.6787, 0.5065,
0.4360

■ 39.1038, 0.2427,
0.2511

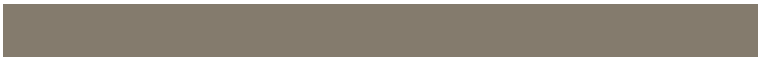
Harmonies

Analogous

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



20.1756, 0.3454, 0.3446



20.1756, 0.3404, 0.3547



20.1756, 0.3279, 0.3581

Triad

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



20.1756, 0.3404, 0.3547



20.1756, 0.2848, 0.3261



20.1756, 0.3132, 0.3063

Complementary

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



20.1756, 0.3404, 0.3547



17.8838, 0.2862, 0.3019

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.



20.1756, 0.2972, 0.3013



20.1756, 0.3404, 0.3547



20.1756, 0.2811, 0.3122

Square

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



20.1756, 0.3404, 0.3547



20.1756, 0.2958, 0.3414



20.1756, 0.2855, 0.3033



20.1756, 0.3295, 0.3170

Rectangle

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



20.1756, 0.3404, 0.3547



20.1756, 0.3172, 0.3558



20.1756, 0.2855, 0.3033



20.1756, 0.3076, 0.3039

Sweetspot

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



20.1765, 0.3404, 0.3547



39.0811, 0.3203, 0.3363



17.1591, 0.3323, 0.3121



9.0569, 0.3212, 0.3372



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.1765, 0.3404, 0.3547



34.4271, 0.3475, 0.3609



22.3380, 0.3350, 0.3708



5.1244, 0.3266, 0.3422



10.3459, 0.5064, 0.4361



0.0501, 0.4601, 0.4729

Inverse Universe

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



17.8838, 0.2862, 0.3019



29.5930, 0.2798, 0.2949



16.0045, 0.2882, 0.2842



4.8221, 0.2992, 0.3155



3.9826, 0.1692, 0.1292



0.0273, 0.1920, 0.2111

Previews

White Background



This preview shows how the Yxy color 20.1756, 0.3404, 0.3547 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 20.1756, 0.3404, 0.3547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

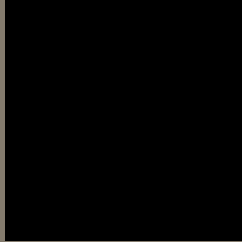
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1756, 0.3404, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 20.1756, 0.3404, 0.3547.



This preview shows how white text looks on a background with the Yxy color 20.1756, 0.3404, 0.3547.

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

20.1756, 0.3404, 0.3547

Protanopia

20.2653, 0.3375, 0.3567

Deuteranopia

20.2215, 0.3518, 0.3468



Tritanopia

20.1688, 0.3209, 0.3131

Trichromacy



Original Color

20.1756, 0.3404, 0.3547

Protanomaly

20.3447, 0.3388, 0.3566

Deuteranomaly

20.2038, 0.3476, 0.3488

Tritanomaly

20.1482, 0.3278, 0.3273

Monochromacy



Original Color

20.1756, 0.3404, 0.3547

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2592, 0.3221, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1756, 0.3404, 0.3547 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(132, 123, 109)` looks like.

```
.text, #text, p{  
    color:rgb(132, 123, 109)  
}
```

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(132, 123, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 123, 109) }
```

Border

The CSS property to change the border of an element to Yxy 20.1756, 0.3404, 0.3547 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(132, 123, 109) }
```

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

```
.border{ border-color:rgb(132, 123, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 123, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 123, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 123, 109);  
box-shadow:4px 4px 4px 4px rgb(132, 123,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1756, 0.3404, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 123, 109) }
```

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

```
.background{ background-color: rgb(132,  
123, 109) }
```

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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