

Converting Colors

$Y_{xy}(20.0988, 0.3585, 0.3681)$

Have a look what the booklet for
Yxy(20.0988, 0.3585, 0.3681)
contains.

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Color

Yxy(20.1575, 0.3582, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	897A64
RGB	137, 122, 100
RGB Percent	54%, 48%, 39%
CMY	0.4628, 0.5215, 0.6079
CMYK	0.00, 0.11, 0.27, 0.46
HSL	36°, 16%, 46%
HSV	36°, 27%, 54%
XYZ	19.5728, 20.1575, 14.9119
YIQ	123.9770, 16.0020, -3.6620

Conversions

Conversions Part 2

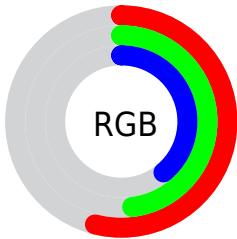
Format	Color
R_{YB}	125, 137, 100
Decimal	9009764
CIE _{Lab}	52.01, 2.10, 14.18
CIE _{LCh}	52, 14.330, 81.592
Yxy	20.1575, 0.3582, 0.3689
Android (android.graphics.Color)	4287199844 (0xFF897A64)
YUV	123.9770, -11.8207, 11.4212
Hunter-Lab	44.8971, -0.7531, 11.7358

Details

The Yxy color **20.1575, 0.3582, 0.3689** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7639, 0.2707, 0.2855**, and the grayscale version is **20.1833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5828, 0.3481, 0.3594**, and **7.0484, 0.3787, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **18.5927, 0.3783, 0.3843**, and if you desaturate by 10%, it is **21.8463, 0.3398, 0.3536**.

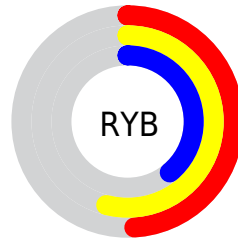
Distribution



Red (54%)

Green (48%)

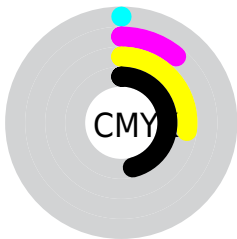
Blue (39%)



Red (49%)

Yellow (54%)

Blue (39%)

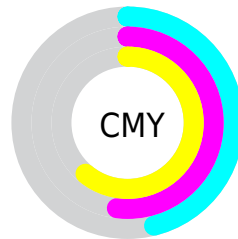


Cyan (0%)

Magenta (11%)

Yellow (27%)

Black (46%)



Cyan (46%)


Magenta (52%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1575, 0.3582, 0.3689 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 20.1575, 0.3582, 0.3689 by changing the saturation by 10% instead.


 20.1575, 0.3582,
0.3689


 20.1575, 0.3582,
0.3689


252.7665, 0.3323,
0.3464


 12.5096, 0.3660,
0.3755

 43.6811, 0.3479,
0.3600


 7.0917, 0.3769,
0.3847


 60.3255, 0.3443,
0.3569

 3.5195, 0.3931,
0.3982

 80.7376, 0.3414,
0.3544

 1.4086, 0.4304,
0.4300

 105.3018, 0.3389,
0.3522

 0.2231, 0.5412,
0.4588

134.4023, 0.3369,
0.3504

 0.0000, 0.0000,
0.0000

168.4237, 0.3351,

0.3489

207.7503, 0.3336,
0.3476

■ 20.1575, 0.3582,
0.3689

■ 20.1575, 0.3582,
0.3689

■ 18.5927, 0.3783,
0.3843

■ 21.8463, 0.3398,
0.3536

■ 17.1458, 0.3999,
0.3991

■ 23.6597, 0.3233,
0.3389

■ 15.8137, 0.4224,
0.4126

■ 25.6018, 0.3085,
0.3249

■ 14.5927, 0.4453,
0.4238

■ 27.6756, 0.2953,
0.3118

■ 13.4781, 0.4673,
0.4315

■ 29.8841, 0.2836,
0.2997

■ 12.4653, 0.4873,
0.4348

■ 32.2300, 0.2733,
0.2885

■ 11.5464, 0.5049,
0.4336

■ 34.7160, 0.2642,
0.2782

■ 11.2857, 0.5102,
0.4331

■ 37.3447, 0.2561,
0.2687

■ 40.1187, 0.2490,
0.2601

Harmonies

Analogous

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



20.1575, 0.3655, 0.3515



20.1575, 0.3582, 0.3689



20.1575, 0.3386, 0.3762

Triad

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



20.1575, 0.3582, 0.3689



20.1575, 0.2694, 0.3258



20.1575, 0.3111, 0.2924

Complementary

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



20.1575, 0.3582, 0.3689



16.7639, 0.2707, 0.2855

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.



20.1575, 0.2860, 0.2852



20.1575, 0.3582, 0.3689



20.1575, 0.2626, 0.3031

Square

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



20.1575, 0.3582, 0.3689



20.1575, 0.2874, 0.3508



20.1575, 0.2686, 0.2887



20.1575, 0.3377, 0.3083

Rectangle

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



20.1575, 0.3582, 0.3689



20.1575, 0.3215, 0.3735



20.1575, 0.2686, 0.2887



20.1575, 0.3022, 0.2889

Sweetspot

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



20.1584, 0.3582, 0.3689



41.9937, 0.3251, 0.3406



15.6750, 0.3454, 0.3010



9.3184, 0.3273, 0.3425



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.1584, 0.3582, 0.3689



34.4879, 0.3695, 0.3777



23.8641, 0.3482, 0.3946



5.5112, 0.3267, 0.3420



10.5402, 0.5099, 0.4333



0.0988, 0.4618, 0.4715

Inverse Universe

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



16.7639, 0.2707, 0.2855



27.4212, 0.2613, 0.2748



13.8046, 0.2716, 0.2555



5.2028, 0.2991, 0.3156



4.2874, 0.1701, 0.1324



0.0560, 0.1929, 0.2145

Previews

White Background



This preview shows how the Yxy color 20.1575, 0.3582, 0.3689 looks on a white background.

Color Contrast Check

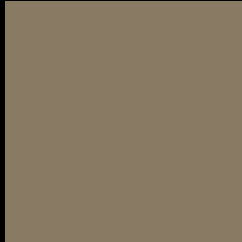
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1575, 0.3582, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

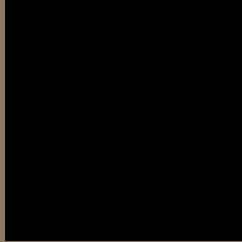
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1575, 0.3582, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 20.1575, 0.3582, 0.3689.



This preview shows how white text looks on a background with the Yxy color 20.1575, 0.3582, 0.3689.

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

20.1575, 0.3582, 0.3689

Protanopia

20.1802, 0.3483, 0.3716

Deuteranopia

20.0625, 0.3676, 0.3607



Tritanopia

20.0646, 0.3299, 0.3134

Trichromacy



Original Color

20.1575, 0.3582, 0.3689

Protanomaly

20.0920, 0.3513, 0.3695

Deuteranomaly

20.0352, 0.3632, 0.3629

Tritanomaly

19.9670, 0.3408, 0.3326

Monochromacy



Original Color

20.1575, 0.3582, 0.3689

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0708, 0.3294, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1575, 0.3582, 0.3689 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(137, 122, 100)` looks like.

```
.text, #text, p{  
    color:rgb(137, 122, 100)  
}
```

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(137, 122, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 122, 100) }
```

Border

The CSS property to change the border of an element to Yxy 20.1575, 0.3582, 0.3689 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(137, 122, 100) }
```

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

```
.border{ border-color:rgb(137, 122, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 122, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 122, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 122, 100);  
box-shadow:4px 4px 4px 4px rgb(137, 122,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1575, 0.3582, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 122, 100) }
```

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

```
.background{ background-color: rgb(137,  
122, 100) }
```

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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