

Converting Colors

$Y_{xy}(20.7984, 0.3260, 0.3576)$

Have a look what the booklet for
Yxy(20.7984, 0.3260, 0.3576)
contains.

Yxy(20.8933, 0.3256, 0.3589) 3

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Color

Yxy(20.8933, 0.3256, 0.3589)

Conversions

Conversions Part 1	
Format	Color
Hex	7C8070
RGB	124, 128, 112
RGB Percent	49%, 50%, 44%
CMY	0.5138, 0.4980, 0.5607
CMYK	0.03, 0.00, 0.12, 0.50
HSL	75°, 7%, 47%
HSV	75°, 12%, 50%
XYZ	18.9547, 20.8933, 18.3668
YIQ	124.9800, 2.7520, -5.8240

Conversions

Conversions Part 2

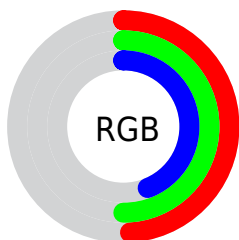
Format	Color
RYB	112, 128, 116
Decimal	8159344
CIELab	52.83, -4.57, 8.17
CIELCh	53, 9.362, 119.223
Yxy	20.8933, 0.3256, 0.3589
Android (android.graphics.Color)	4286349424 (0xFF7C8070)
YUV	124.9800, -6.3991, -0.8595
Hunter-Lab	45.7092, -5.9705, 8.1726

Details

The Yxy color $20.8933, 0.3256, 0.3589$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $16.8657, 0.2988, 0.2982$, and the grayscale version is $20.5223, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.0752, 0.3229, 0.3519$, and $7.4580, 0.3308, 0.3725$ is the 20% darker color. If you saturate the color by 10%, you get $20.3930, 0.3360, 0.3842$, and if you desaturate by 10%, it is $21.4438, 0.3153, 0.3348$.

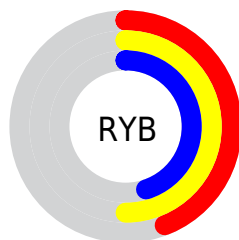
Distribution



Red (49%)

Green (50%)

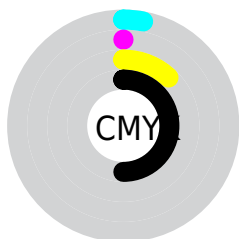
Blue (44%)



Red (44%)

Yellow (50%)

Blue (45%)

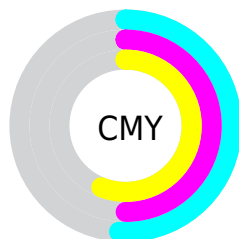


Cyan (3%)

Magenta (0%)

Yellow (12%)

Black (50%)



Cyan (51%)


Magenta (50%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8933, 0.3256, 0.3589 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 20.8933, 0.3256, 0.3589 by changing the saturation by 10% instead.


 20.8933, 0.3256,
0.3589


 20.8933, 0.3256,
0.3589


256.7109, 0.3184,
0.3418

 13.0460, 0.3277,
0.3641

 44.9099, 0.3228,
0.3520

 7.4603, 0.3306,
0.3715


 61.8480, 0.3218,
0.3497

 3.7516, 0.3349,
0.3829


 82.5852, 0.3210,
0.3477

 1.5356, 0.3418,
0.4025

 107.5058, 0.3203,
0.3461

 0.3136, 0.3729,
0.6271


136.9943, 0.3197,
0.3448


 0.0000, 0.0000,
0.0000


171.4351, 0.3192,


0.3436

211.2125, 0.3188,
0.3427

 20.8933, 0.3256,
0.3589


 20.8933, 0.3256,
0.3589

 20.3930, 0.3360,
0.3842


 21.4438, 0.3153,
0.3348


 19.9384, 0.3461,
0.4101


 22.0435, 0.3052,
0.3122


 19.5285, 0.3555,
0.4360


 22.6948, 0.2956,
0.2912


 19.1612, 0.3638,
0.4609


 23.3992, 0.2865,
0.2720

 18.8344, 0.3705,
0.4838

 24.1583, 0.2781,
0.2546

 18.5456, 0.3752,
0.5037


 24.9733, 0.2702,
0.2387


 18.2920, 0.3776,
0.5198

 25.8457, 0.2630,
0.2244

 18.0702, 0.3776,
0.5316

 26.7766, 0.2563,
0.2115

 17.9164, 0.3768,
0.5390

 27.7674, 0.2502,
0.1999

Harmonies

Analogous

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



20.8933, 0.3396, 0.3568



20.8933, 0.3256, 0.3589



20.8933, 0.3085, 0.3524

Triad

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



20.8933, 0.3256, 0.3589



20.8933, 0.2802, 0.3095



20.8933, 0.3327, 0.3189

Complementary

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



20.8933, 0.3256, 0.3589



16.8657, 0.2988, 0.2982

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.



20.8933, 0.3163, 0.3071



20.8933, 0.3256, 0.3589



20.8933, 0.2862, 0.3015

Square

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



20.8933, 0.3256, 0.3589



20.8933, 0.2825, 0.3232



20.8933, 0.2993, 0.3008



20.8933, 0.3438, 0.3334

Rectangle

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



20.8933, 0.3256, 0.3589



20.8933, 0.2976, 0.3441



20.8933, 0.2993, 0.3008



20.8933, 0.3276, 0.3145

Sweetspot

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



20.8942, 0.3256, 0.3589



37.5903, 0.3169, 0.3386



18.2535, 0.3333, 0.3366



8.7855, 0.3176, 0.3401



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.8942, 0.3256, 0.3589



36.5230, 0.3286, 0.3660



20.3242, 0.3160, 0.3598



4.9667, 0.3221, 0.3506



17.7639, 0.3768, 0.5390



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.8657, 0.2988, 0.2982



27.9768, 0.2953, 0.2906



17.4358, 0.3089, 0.2992



4.2600, 0.3028, 0.3070



1.8537, 0.1672, 0.0695



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.8933, 0.3256, 0.3589 looks on a white background.

Color Contrast Check

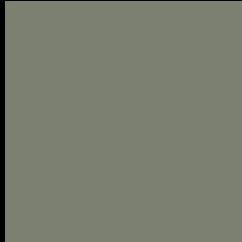
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8933, 0.3256, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

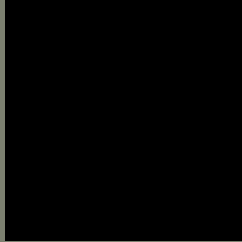
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

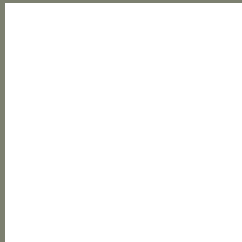
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.8933, 0.3256, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 20.8933, 0.3256, 0.3589.



This preview shows how white text looks on a background with the Yxy color 20.8933, 0.3256, 0.3589.

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

20.8933, 0.3256, 0.3589

Protanopia

20.9749, 0.3372, 0.3563

Deuteranopia

20.7066, 0.3503, 0.3431



Tritanopia

20.9285, 0.3041, 0.3111

Trichromacy



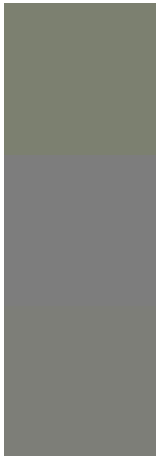
Original Color
20.8933, 0.3256, 0.3589

Protanomaly
20.9936, 0.3331, 0.3584

Deuteranomaly
20.8418, 0.3404, 0.3488

Tritanomaly
20.8896, 0.3116, 0.3272

Monochromacy



Original Color
20.8933, 0.3256, 0.3589

Achromatopsia
20.5079, 0.3127, 0.3290

Achromatomaly
20.6377, 0.3182, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8933, 0.3256, 0.3589 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(124, 128, 112) looks like.

```
.text, #text, p{  
    color:rgb(124, 128, 112)  
}
```

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(124, 128, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 128, 112) }
```

Border

The CSS property to change the border of an element to Yxy 20.8933, 0.3256, 0.3589 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(124, 128, 112) }
```

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

```
.border{ border-color:rgb(124, 128, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 128, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 128, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 128, 112);  
box-shadow:4px 4px 4px 4px rgb(124, 128,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8933, 0.3256, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 128, 112) }
```

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

```
.background{ background-color: rgb(124,  
128, 112) }
```

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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