

Converting Colors

$Y_{xy}(20.8289, 0.3211, 0.3948)$

Have a look what the booklet for
Yxy(20.8289, 0.3211, 0.3948)
contains.

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Color

$\text{Yxy}(20.9271, 0.3208, 0.3962)$

Conversions

Conversions Part 1

Format	Color
Hex	6D8563
RGB	109, 133, 99
RGB Percent	43%, 52%, 39%
CMY	0.5726, 0.4784, 0.6118
CMYK	0.18, 0.00, 0.26, 0.48
HSL	102°, 15%, 45%
HSV	102°, 26%, 52%
XYZ	16.9445, 20.9271, 14.9479
YIQ	121.9480, -3.3900, -15.6620

Conversions

Conversions Part 2

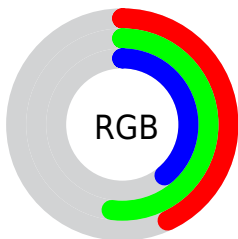
Format	Color
RYB	99, 133, 123
Decimal	7177571
CIELab	52.87, -15.45, 15.57
CIELCh	53, 21.929, 134.776
Yxy	20.9271, 0.3208, 0.3962
Android (android.graphics.Color)	4285367651 (0xFF6D8563)
YUV	121.9480, -11.3134, -11.3554
Hunter-Lab	45.7461, -13.9388, 12.6488

Details

The Yxy color $20.9271, 0.3208, 0.3962$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.8274, 0.3019, 0.2654$, and the grayscale version is $19.4820, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8969, 0.3195, 0.3799$, and $7.4265, 0.3231, 0.4256$ is the 20% darker color. If you saturate the color by 10%, you get $20.1301, 0.3233, 0.4263$, and if you desaturate by 10%, it is $21.8315, 0.3178, 0.3680$.

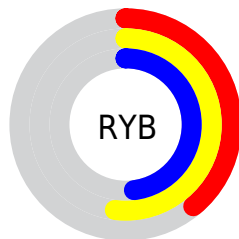
Distribution



Red (43%)

Green (52%)

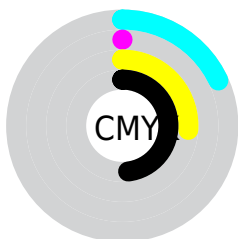
Blue (39%)



Red (39%)

Yellow (52%)

Blue (48%)

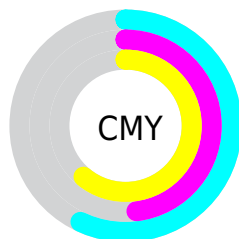


Cyan (18%)

Magenta (0%)

Yellow (26%)

Black (48%)



Cyan (57%)


Magenta (48%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9271, 0.3208, 0.3962 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 20.9271, 0.3208, 0.3962 by changing the saturation by 10% instead.

 20.9271, 0.3208,
0.3962


 20.9271, 0.3208,
0.3962


256.8908, 0.3169,
0.3570


 13.0707, 0.3216,
0.4085


 44.9662, 0.3195,
0.3803

 7.4773, 0.3224,
0.4262


 61.9177, 0.3189,
0.3748

 3.7623, 0.3227,
0.4538

 82.6697, 0.3185,
0.3704

 1.5415, 0.3294,
0.5157

 107.6065, 0.3181,
0.3668

 0.3177, 0.0000,
1.0000

137.1127, 0.3177,
0.3638

 0.0000, 0.0000,
0.0000

171.5725, 0.3174,

0.3612

211.3704, 0.3171,
0.3589

■ 20.9271, 0.3208,
0.3962

■ 20.9271, 0.3208,
0.3962

■ 20.1301, 0.3233,
0.4263

■ 21.8315, 0.3178,
0.3680

■ 19.4337, 0.3252,
0.4577

■ 22.8443, 0.3146,
0.3423

■ 18.8346, 0.3260,
0.4890

■ 23.9702, 0.3112,
0.3190

■ 18.3280, 0.3257,
0.5188

■ 25.2125, 0.3079,
0.2983

■ 17.9088, 0.3240,
0.5452

■ 26.5745, 0.3047,
0.2799

■ 17.5716, 0.3210,
0.5665

■ 28.0595, 0.3016,
0.2637

■ 17.3087, 0.3169,
0.5818

■ 29.6703, 0.2986,
0.2494

■ 17.2100, 0.3152,
0.5879

■ 31.4101, 0.2959,
0.2368

■ 33.2815, 0.2933,
0.2256

Harmonies

Analogous

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



20.9271, 0.3589, 0.3998



20.9271, 0.3208, 0.3962



20.9271, 0.2821, 0.3705

Triad

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



20.9271, 0.3208, 0.3962



20.9271, 0.2437, 0.2720



20.9271, 0.3758, 0.3214

Complementary

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



20.9271, 0.3208, 0.3962



14.8274, 0.3019, 0.2654

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.



20.9271, 0.3413, 0.2921



20.9271, 0.3208, 0.3962



20.9271, 0.2654, 0.2640

Square

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



20.9271, 0.3208, 0.3962



20.9271, 0.2392, 0.2959



20.9271, 0.3005, 0.2716



20.9271, 0.3922, 0.3540

Rectangle

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



20.9271, 0.3208, 0.3962



20.9271, 0.2610, 0.3454



20.9271, 0.3005, 0.2716



20.9271, 0.3658, 0.3110

Sweetspot

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



20.9280, 0.3208, 0.3962



40.4128, 0.3154, 0.3487



20.0047, 0.3538, 0.3729



9.0491, 0.3159, 0.3521



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.



20.9280, 0.3208, 0.3962



36.5757, 0.3224, 0.4145



20.4655, 0.3027, 0.3842



5.2662, 0.3157, 0.3511



16.3947, 0.3154, 0.5878



0.0602, 0.3466, 0.5630

Inverse Universe

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



14.8274, 0.3019, 0.2654



23.6098, 0.2986, 0.2493



15.4206, 0.3247, 0.2795



4.6960, 0.3094, 0.3073



3.8801, 0.2498, 0.1150



0.0172, 0.2845, 0.1341

Previews

White Background



This preview shows how the Yxy color 20.9271, 0.3208, 0.3962 looks on a white background.

Color Contrast Check

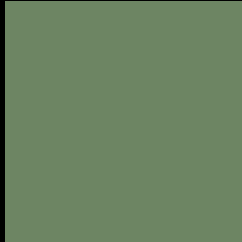
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9271, 0.3208, 0.3962 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 20.9271, 0.3208, 0.3962

Background



This preview shows how black text looks on a background with the Yxy color 20.9271, 0.3208, 0.3962.



This preview shows how white text looks on a background with the Yxy color 20.9271, 0.3208, 0.3962.

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

20.9271, 0.3208, 0.3962

Protanopia

20.9171, 0.3586, 0.3834

Deuteranopia

20.7450, 0.3681, 0.3621



Tritanopia

20.9182, 0.2877, 0.3106

Trichromacy



Original Color

20.9271, 0.3208, 0.3962

Protanomaly

20.9992, 0.3447, 0.3889

Deuteranomaly

20.5934, 0.3505, 0.3730

Tritanomaly

20.9312, 0.2997, 0.3403

Monochromacy



Original Color

20.9271, 0.3208, 0.3962

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.9185, 0.3152, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9271, 0.3208, 0.3962 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(109, 133, 99)` looks like.

```
.text, #text, p{  
    color:rgb(109, 133, 99)  
}
```

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(109, 133, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 133, 99) }
```

Border

The CSS property to change the border of an element to Yxy 20.9271, 0.3208, 0.3962 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(109, 133, 99) }
```

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

```
.border{ border-color:rgb(109, 133, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 133, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 133, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 133, 99);  
box-shadow:4px 4px 4px 4px rgb(109, 133,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9271, 0.3208, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 133, 99) }
```

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

```
.background{ background-color: rgb(109,  
133, 99) }
```

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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