

Converting Colors

$Y_{xy}(21.0783, 0.3569, 0.4004)$

Have a look what the booklet for
Yxy(21.0783, 0.3569, 0.4004)
contains.

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Color

Yxy(21.1058, 0.3564, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	81815A
RGB	129, 129, 90
RGB Percent	51%, 51%, 35%
CMY	0.4940, 0.4942, 0.6470
CMYK	0.00, 0.00, 0.30, 0.49
HSL	60°, 18%, 43%
HSV	60°, 30%, 51%
XYZ	18.7537, 21.1058, 12.7603
YIQ	124.5540, 12.5190, -12.1290

Conversions

Conversions Part 2

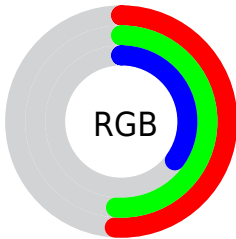
Format	Color
RYB	90, 129, 90
Decimal	8487258
CIELab	53.07, -6.61, 21.20
CIElCh	53, 22.211, 107.313
Yxy	21.1058, 0.3564, 0.4011
Android (android.graphics.Color)	4286677338 (0xFF81815A)
YUV	124.5540, -17.0351, 3.8991
Hunter-Lab	45.9410, -7.5310, 15.6907

Details

The Yxy color $21.1058, 0.3564, 0.4011$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $11.0824, 0.2619, 0.2451$, and the grayscale version is $20.4081, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.2944, 0.3470, 0.3856$, and $7.5814, 0.3714, 0.4300$ is the 20% darker color. If you saturate the color by 10%, you get $20.9015, 0.3704, 0.4243$, and if you desaturate by 10%, it is $21.3501, 0.3419, 0.3771$.

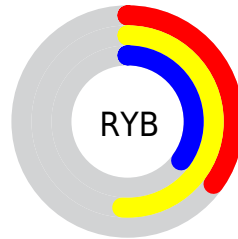
Distribution



Red (51%)

Green (51%)

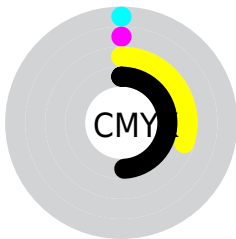
Blue (35%)



Red (35%)

Yellow (51%)

Blue (35%)

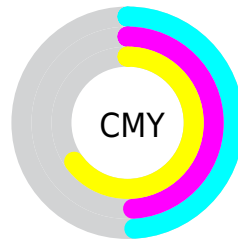


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (49%)



Cyan (49%)


Magenta (49%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1058, 0.3564, 0.4011 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 21.1058, 0.3564, 0.4011 by changing the saturation by 10% instead.

 21.1058, 0.3564,
0.4011


 21.1058, 0.3564,
0.4011


257.8402, 0.3323,
0.3599


 13.2014, 0.3631,
0.4134


 45.2635, 0.3471,
0.3847


 7.5674, 0.3721,
0.4306


 62.2856, 0.3438,
0.3790

 3.8194, 0.3843,
0.4560

 83.1158, 0.3410,
0.3743

 1.5730, 0.4328,
0.5357

 108.1383, 0.3387,
0.3705

 0.3393, 0.3220,
0.6780

 137.7376, 0.3367,
0.3672

 0.0000, 0.0000,
0.0000

172.2981, 0.3350,

0.3644

212.2042, 0.3336,
0.3620

■ 21.1058, 0.3564,
0.4011

■ 21.1058, 0.3564,
0.4011

■ 20.9015, 0.3704,
0.4243

■ 21.3501, 0.3419,
0.3771

■ 20.7325, 0.3835,
0.4458

■ 21.6335, 0.3273,
0.3531

■ 20.5975, 0.3950,
0.4647


■ 21.9586, 0.3131,
0.3296


■ 20.4941, 0.4045,
0.4804


■ 22.3270, 0.2994,
0.3071


■ 20.4197, 0.4117,
0.4922


■ 22.7402, 0.2866,
0.2859


 20.3712, 0.4164,
0.5000

 23.1997, 0.2747,
0.2663

 20.3391, 0.4195,
0.5051

 23.7068, 0.2638,
0.2482

 24.2630, 0.2538,
0.2317

 24.8695, 0.2447,
0.2167

Harmonies

Analogous

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



21.1058, 0.3847, 0.3855



21.1058, 0.3564, 0.4011



21.1058, 0.3174, 0.3955

Triad

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



21.1058, 0.3564, 0.4011



21.1058, 0.2382, 0.2929



21.1058, 0.3450, 0.2940

Complementary

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



21.1058, 0.3564, 0.4011



11.0824, 0.2619, 0.2451

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.



21.1058, 0.3038, 0.2723



21.1058, 0.3564, 0.4011



21.1058, 0.2443, 0.2701

Square

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



21.1058, 0.3564, 0.4011



21.1058, 0.2503, 0.3287



21.1058, 0.2675, 0.2635



21.1058, 0.3786, 0.3241

Rectangle

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



21.1058, 0.3564, 0.4011



21.1058, 0.2909, 0.3791



21.1058, 0.2675, 0.2635



21.1058, 0.3314, 0.2856

Sweetspot

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



21.1067, 0.3564, 0.4011



38.7720, 0.3258, 0.3506



12.7338, 0.3757, 0.3279



8.7605, 0.3276, 0.3536



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.



21.1067, 0.3564, 0.4011



37.5229, 0.3657, 0.4165



19.7755, 0.3326, 0.4072



5.0186, 0.3256, 0.3503



19.8179, 0.4195, 0.5051



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.0824, 0.2619, 0.2451



16.6887, 0.2488, 0.2234



12.1434, 0.2872, 0.2506



4.2125, 0.2993, 0.3068



1.5488, 0.1500, 0.0601



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 21.1058, 0.3564, 0.4011 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 21.1058, 0.3564, 0.4011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

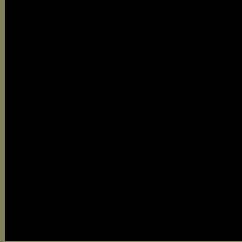
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

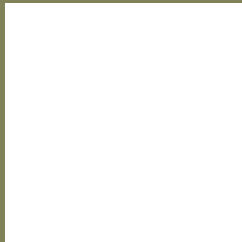
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.1058, 0.3564, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 21.1058, 0.3564, 0.4011.



This preview shows how white text looks on a background with the Yxy color 21.1058, 0.3564, 0.4011.

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

21.1058, 0.3564, 0.4011

Protanopia

21.2184, 0.3688, 0.3971

Deuteranopia

20.9315, 0.3859, 0.3784



Tritanopia

20.9277, 0.3147, 0.3115

Trichromacy



Original Color

21.1058, 0.3564, 0.4011

Protanomaly

21.2279, 0.3644, 0.3997

Deuteranomaly

20.9214, 0.3747, 0.3871

Tritanomaly

20.8571, 0.3304, 0.3435

Monochromacy



Original Color

21.1058, 0.3564, 0.4011

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5272, 0.3285, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1058, 0.3564, 0.4011 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(129, 129, 90)` looks like.

```
.text, #text, p{  
    color:rgb(129, 129, 90)  
}
```

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(129, 129, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 129, 90) }
```

Border

The CSS property to change the border of an element to Yxy 21.1058, 0.3564, 0.4011 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(129, 129, 90) }
```

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

```
.border{ border-color:rgb(129, 129, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 129, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 129, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 129, 90);  
box-shadow:4px 4px 4px 4px rgb(129, 129,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1058, 0.3564, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 129, 90) }
```

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

```
.background{ background-color: rgb(129,  
129, 90) }
```

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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