

Converting Colors

$Y_{xy}(21.3085, 0.3668, 0.3957)$

Have a look what the booklet for
Yxy(21.3085, 0.3668, 0.3957)
contains.

Yxy(21.2353, 0.3677, 0.3953)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2353, 0.3677, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	897F5A
RGB	137, 127, 90
RGB Percent	54%, 50%, 35%
CMY	0.4627, 0.5020, 0.6470
CMYK	0.00, 0.07, 0.34, 0.46
HSL	47°, 21%, 45%
HSV	47°, 34%, 54%
XYZ	19.7526, 21.2353, 12.7315
YIQ	125.7720, 17.8370, -9.3870

Conversions

Conversions Part 2

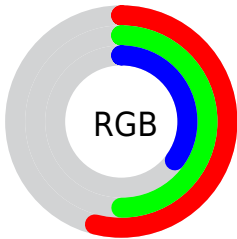
Format	Color
RYB	103, 137, 90
Decimal	9011034
CIELab	53.21, -2.14, 21.52
CIELCh	53, 21.627, 95.673
Yxy	21.2353, 0.3677, 0.3953
Android (android.graphics.Color)	4287201114 (0xFF897F5A)
YUV	125.7720, -17.6356, 9.8470
Hunter-Lab	46.0818, -4.1303, 15.8766

Details

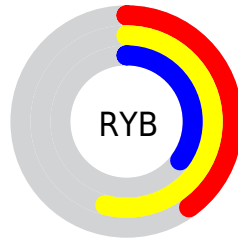
The Yxy color $21.2353, 0.3677, 0.3953$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.0974, 0.2562, 0.2524$, and the grayscale version is $20.8400, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.6123, 0.3559, 0.3816$, and $7.6091, 0.3875, 0.4202$ is the 20% darker color. If you saturate the color by 10%, you get $20.2813, 0.3851, 0.4144$, and if you desaturate by 10%, it is $22.2561, 0.3506, 0.3756$.

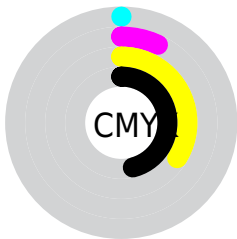
Distribution



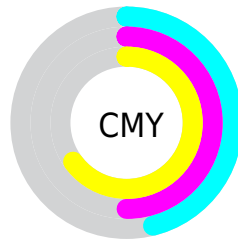
- Red (54%)
- Green (50%)
- Blue (35%)



- Red (40%)
- Yellow (54%)
- Blue (35%)



- Cyan (0%)
- Magenta (7%)
- Yellow (34%)
- Black (46%)





- Cyan (46%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2353, 0.3677, 0.3953 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 21.2353, 0.3677, 0.3953 by changing the saturation by 10% instead.


 21.2353, 0.3677,
0.3953


 21.2353, 0.3677,
0.3953


 258.5263, 0.3370,
0.3579


 13.2961, 0.3764,
0.4062


 45.4788, 0.3557,
0.3806

 7.6328, 0.3883,
0.4211


 62.5519, 0.3515,
0.3754


 3.8609, 0.4049,
0.4425

 83.4385, 0.3480,
0.3712

 1.5960, 0.4612,
0.5109

 108.5228, 0.3451,
0.3676

 0.3549, 0.4455,
0.5545

 138.1894, 0.3426,
0.3647

 0.0000, 0.0000,
0.0000

172.8226, 0.3405,

0.3621

212.8068, 0.3386,
0.3599

■ 21.2353, 0.3677,
0.3953

■ 21.2353, 0.3677,
0.3953

■ 20.2813, 0.3851,
0.4144

■ 22.2561, 0.3506,
0.3756

■ 19.3886, 0.4024,
0.4320

■ 23.3431, 0.3343,
0.3560

■ 18.5554, 0.4188,
0.4472

■ 24.4996, 0.3190,
0.3370

■ 17.7787, 0.4337,
0.4591

■ 25.7275, 0.3048,
0.3188

■ 17.0548, 0.4463,
0.4670

■ 27.0290, 0.2918,
0.3017

■ 16.3795, 0.4563,
0.4705

■ 28.4058, 0.2800,
0.2858

■ 16.0094, 0.4615,
0.4717

■ 29.8598, 0.2694,
0.2711

■ 31.3927, 0.2598,
0.2576

■ 33.0062, 0.2512,
0.2453

Harmonies

Analogous

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



21.2353, 0.3886, 0.3743



21.2353, 0.3677, 0.3953



21.2353, 0.3326, 0.3984

Triad

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



21.2353, 0.3677, 0.3953



21.2353, 0.2427, 0.3064



21.2353, 0.3287, 0.2855

Complementary

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



21.2353, 0.3677, 0.3953



13.0974, 0.2562, 0.2524

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.



21.2353, 0.2893, 0.2688



21.2353, 0.3677, 0.3953



21.2353, 0.2417, 0.2785

Square

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



21.2353, 0.3677, 0.3953



21.2353, 0.2611, 0.3439



21.2353, 0.2581, 0.2658



21.2353, 0.3657, 0.3122

Rectangle

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



21.2353, 0.3677, 0.3953



21.2353, 0.3064, 0.3879



21.2353, 0.2581, 0.2658



21.2353, 0.3152, 0.2786

Sweetspot

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



21.2363, 0.3677, 0.3953



42.6280, 0.3279, 0.3481



13.5562, 0.3726, 0.3102



9.5055, 0.3298, 0.3505



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.



21.2363, 0.3677, 0.3953



36.7152, 0.3809, 0.4099



22.8944, 0.3463, 0.4159



5.6673, 0.3263, 0.3461



14.9281, 0.4614, 0.4719



0.1200, 0.4385, 0.4901

Inverse Universe

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



13.0974, 0.2562, 0.2524



19.9071, 0.2421, 0.2320



12.0224, 0.2702, 0.2353



5.0538, 0.2991, 0.3113



2.5242, 0.1572, 0.0857



0.0348, 0.1761, 0.1541

Previews

White Background



This preview shows how the Yxy color 21.2353, 0.3677, 0.3953 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 21.2353, 0.3677, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

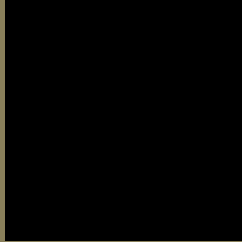
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2353, 0.3677, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 21.2353, 0.3677, 0.3953.



This preview shows how white text looks on a background with the Yxy color 21.2353, 0.3677, 0.3953.

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

21.2353, 0.3677, 0.3953

Protanopia

21.2353, 0.3677, 0.3953

Deuteranopia

21.2537, 0.3878, 0.3814



Tritanopia

21.3085, 0.3270, 0.3137

Trichromacy



Original Color

21.2353, 0.3677, 0.3953

Protanomaly

21.2353, 0.3677, 0.3953

Deuteranomaly

21.2816, 0.3800, 0.3860

Tritanomaly

21.2517, 0.3419, 0.3431

Monochromacy



Original Color

21.2353, 0.3677, 0.3953

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8598, 0.3323, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2353, 0.3677, 0.3953 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, 127, 90)` looks like.

```
.text, #text, p{  
    color:rgb(137, 127, 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(137, 127, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 127, 90) }
```

Border

The CSS property to change the border of an element to Yxy 21.2353, 0.3677, 0.3953 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, 127, 90) }
```

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

```
.border{ border-color:rgb(137, 127, 90) }
```

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

Here you see how a box with a 4 pixel rgb(137, 127, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 127, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 127, 90);  
box-shadow:4px 4px 4px 4px rgb(137, 127,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2353, 0.3677, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 127, 90) }
```

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

```
.background{ background-color: rgb(137,  
127, 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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