

Converting Colors

$Y_{xy}(21.0861, 0.4048, 0.3672)$

Have a look what the booklet for
Yxy(21.0861, 0.4048, 0.3672)
contains.

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Color

Yxy(21.0676, 0.4051, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	A3745D
RGB	163, 116, 93
RGB Percent	64%, 45%, 36%
CMY	0.3606, 0.5451, 0.6353
CMYK	0.00, 0.29, 0.43, 0.36
HSL	20°, 28%, 50%
HSV	20°, 43%, 64%
XYZ	23.3310, 21.0676, 13.1946
YIQ	127.4310, 35.3950, 2.8110

Conversions

Conversions Part 2

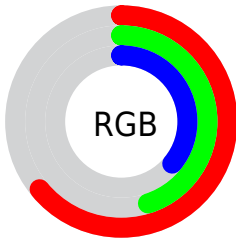
Format	Color
R_{YB}	163, 127, 93
Decimal	10712157
CIE _{Lab}	53.02, 15.55, 20.03
CIE _{LCh}	53, 25.362, 52.182
Yxy	21.0676, 0.4051, 0.3658
Android (android.graphics.Color)	4288902237 (0xFFA3745D)
YUV	127.4310, -16.9745, 31.1940
Hunter-Lab	45.8995, 10.4087, 15.0857

Details

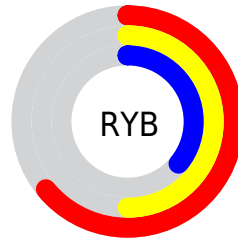
The Yxy color **21.0676, 0.4051, 0.3658** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.7459, 0.2489, 0.2881**, and the grayscale version is **21.4310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0485, 0.3843, 0.3593**, and **7.5907, 0.4407, 0.3765** is the 20% darker color. If you saturate the color by 10%, you get **18.4320, 0.4358, 0.3737**, and if you desaturate by 10%, it is **24.0647, 0.3779, 0.3571**.

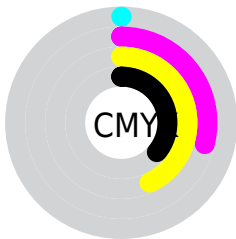
Distribution



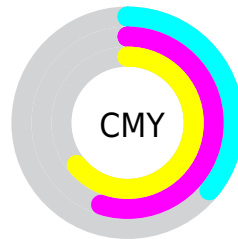
- Red (64%)
- Green (45%)
- Blue (36%)



- Red (64%)
- Yellow (50%)
- Blue (36%)



- Cyan (0%)
- Magenta (29%)
- Yellow (43%)
- Black (36%)





- Cyan (36%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0676, 0.4051, 0.3658 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 21.0676, 0.4051, 0.3658 by changing the saturation by 10% instead.


 21.0676, 0.4051,
0.3658


 21.0676, 0.4051,
0.3658


257.6375, 0.3525,
0.3468


 13.1734, 0.4207,
0.3704


 45.2000, 0.3843,
0.3589

 7.5481, 0.4422,
0.3760


 62.2070, 0.3770,
0.3563

 3.8072, 0.4737,
0.3822

 83.0205, 0.3710,
0.3541

 1.5663, 0.5494,
0.4067

 108.0247, 0.3661,
0.3522

 0.3347, 0.6758,
0.3242

137.6041, 0.3619,
0.3505

 0.0000, 0.0000,
0.0000

172.1431, 0.3583,

0.3491

212.0262, 0.3552,
0.3479

■ 21.0676, 0.4051,
0.3658

■ 21.0676, 0.4051,
0.3658

■ 18.4320, 0.4358,
0.3737

■ 24.0647, 0.3779,
0.3571

■ 16.1404, 0.4695,
0.3799

■ 27.4335, 0.3544,
0.3482

■ 14.1787, 0.5047,
0.3833


■ 31.1878, 0.3343,
0.3395

■ 12.5302, 0.5388,
0.3826


■ 35.3396, 0.3172,
0.3313

■ 11.1765, 0.5688,
0.3772


■ 39.9004, 0.3028,
0.3237

 10.3821, 0.5875,
0.3717

 44.8813, 0.2904,
0.3167

 50.2928, 0.2800,
0.3102

 56.1452, 0.2710,
0.3044

 62.4483, 0.2633,
0.2990

Harmonies

Analogous

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



21.0676, 0.3926, 0.3289



21.0676, 0.4051, 0.3658



21.0676, 0.3907, 0.3971

Triad

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



21.0676, 0.4051, 0.3658



21.0676, 0.2676, 0.3668



21.0676, 0.2670, 0.2555

Complementary

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



21.0676, 0.4051, 0.3658



23.7459, 0.2489, 0.2881

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.



21.0676, 0.2383, 0.2596



21.0676, 0.4051, 0.3658



21.0676, 0.2383, 0.3209

Square

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



21.0676, 0.4051, 0.3658



21.0676, 0.3101, 0.4022



21.0676, 0.2282, 0.2820



21.0676, 0.3099, 0.2681

Rectangle

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



21.0676, 0.4051, 0.3658



21.0676, 0.3688, 0.4098



21.0676, 0.2282, 0.2820



21.0676, 0.2556, 0.2549

Sweetspot

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



21.0686, 0.4051, 0.3658



55.6240, 0.3349, 0.3398



17.5395, 0.3471, 0.2555



12.1602, 0.3389, 0.3416



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.0686, 0.4051, 0.3658



32.9892, 0.4359, 0.3737



30.4562, 0.3826, 0.4158



7.4480, 0.3277, 0.3364



8.1407, 0.5858, 0.3731



0.2543, 0.5194, 0.4258

Inverse Universe

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



23.7459, 0.2489, 0.2881



38.4055, 0.2355, 0.2766



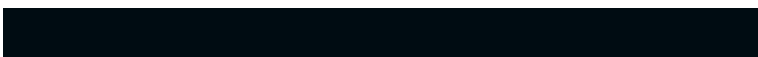
15.2498, 0.2383, 0.2234



7.6176, 0.2987, 0.3215



10.7260, 0.1945, 0.2202



0.3059, 0.2068, 0.2643

Previews

White Background



This preview shows how the Yxy color 21.0676, 0.4051, 0.3658 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 21.0676, 0.4051, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

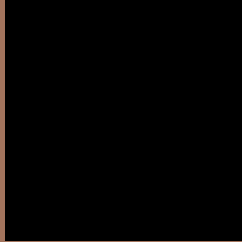
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0676, 0.4051, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 21.0676, 0.4051, 0.3658.



This preview shows how white text looks on a background with the Yxy color 21.0676, 0.4051, 0.3658.

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

21.0676, 0.4051, 0.3658

Protanopia

21.2115, 0.3558, 0.3815

Deuteranopia

21.1758, 0.3853, 0.3800



Tritanopia

21.0758, 0.3733, 0.3151

Trichromacy



Original Color

21.0676, 0.4051, 0.3658

Protanomaly

21.0302, 0.3732, 0.3760

Deuteranomaly

21.1742, 0.3931, 0.3755

Tritanomaly

20.9573, 0.3853, 0.3324

Monochromacy



Original Color

21.0676, 0.4051, 0.3658

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9792, 0.3434, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0676, 0.4051, 0.3658 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(163, 116, 93)` looks like.

```
.text, #text, p{  
    color:rgb(163, 116, 93)  
}
```

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(163, 116, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 116, 93) }
```

Border

The CSS property to change the border of an element to Yxy 21.0676, 0.4051, 0.3658 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(163, 116, 93) }
```

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

```
.border{ border-color:rgb(163, 116, 93) }
```

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

Here you see how a box with a 4 pixel rgb(163, 116, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 116, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 116, 93);  
box-shadow:4px 4px 4px 4px rgb(163, 116,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0676, 0.4051, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 116, 93) }
```

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

```
.background{ background-color: rgb(163,  
116, 93) }
```

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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