

Converting Colors

$Y_{xy}(21.2463, 0.4057, 0.3687)$

Have a look what the booklet for
Yxy(21.2463, 0.4057, 0.3687)
contains.

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Color

Yxy(21.2818, 0.4056, 0.3690)

Conversions

Conversions Part 1

Format	Color
Hex	A3755C
RGB	163, 117, 92
RGB Percent	64%, 46%, 36%
CMY	0.3609, 0.5411, 0.6392
CMYK	0.00, 0.28, 0.44, 0.36
HSL	21°, 28%, 50%
HSV	21°, 44%, 64%
XYZ	23.3927, 21.2818, 12.9998
YIQ	127.9040, 35.4410, 1.9770

Conversions

Conversions Part 2

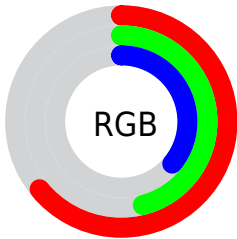
Format	Color
R _Y B	163, 131, 92
Decimal	10712412
CIE Lab	53.26, 14.82, 20.93
CIE LCh	53, 25.643, 54.691
Yxy	21.2818, 0.4056, 0.3690
Android (android.graphics.Color)	4288902492 (0xFFA3755C)
YUV	127.9040, -17.7007, 30.7792
Hunter-Lab	46.1322, 9.7823, 15.5850

Details

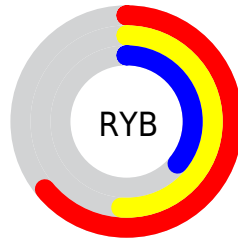
The Yxy color **21.2818, 0.4056, 0.3690** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.0816, 0.2475, 0.2842**, and the grayscale version is **21.6049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5446, 0.3857, 0.3616**, and **7.7047, 0.4412, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **18.7054, 0.4358, 0.3775**, and if you desaturate by 10%, it is **24.1988, 0.3788, 0.3597**.

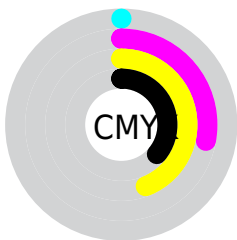
Distribution



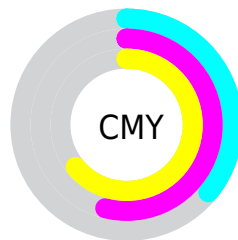
- Red (64%)
- Green (46%)
- Blue (36%)



- Red (64%)
- Yellow (51%)
- Blue (36%)



- Cyan (0%)
- Magenta (28%)
- Yellow (44%)
- Black (36%)





- Cyan (36%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2818, 0.4056, 0.3690 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 21.2818, 0.4056, 0.3690 by changing the saturation by 10% instead.


 21.2818, 0.4056,
0.3690


 21.2818, 0.4056,
0.3690


258.7723, 0.3529,
0.3482


 13.3301, 0.4211,
0.3741


 45.5561, 0.3848,
0.3614

 7.6563, 0.4425,
0.3803


 62.6474, 0.3775,
0.3586

 3.8758, 0.4736,
0.3873

 83.5542, 0.3715,
0.3561

 1.6043, 0.5503,
0.4148

 108.6607, 0.3665,
0.3541

 0.3605, 0.6615,
0.3385

138.3514, 0.3623,
0.3523

 0.0000, 0.0000,
0.0000

173.0106, 0.3587,

0.3508

213.0228, 0.3556,
0.3494

■ 21.2818, 0.4056,
0.3690

■ 21.2818, 0.4056,
0.3690

■ 18.7054, 0.4358,
0.3775

■ 24.1988, 0.3788,
0.3597

■ 16.4534, 0.4686,
0.3841

■ 27.4656, 0.3554,
0.3501

■ 14.5127, 0.5026,
0.3877

■ 31.0950, 0.3353,
0.3408

■ 12.8680, 0.5355,
0.3872

■ 35.0981, 0.3182,
0.3320

■ 11.5024, 0.5643,
0.3817

■ 39.4855, 0.3036,
0.3238

■ 10.7543, 0.5811,
0.3768

■ 44.2674, 0.2911,
0.3162

■ 49.4535, 0.2805,
0.3092

■ 55.0533, 0.2713,
0.3029

■ 61.0759, 0.2635,
0.2971

Harmonies

Analogous

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



21.2818, 0.3953, 0.3320



21.2818, 0.4056, 0.3690



21.2818, 0.3890, 0.3996

Triad

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



21.2818, 0.4056, 0.3690



21.2818, 0.2641, 0.3634



21.2818, 0.2699, 0.2554

Complementary

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



21.2818, 0.4056, 0.3690



23.0816, 0.2475, 0.2842

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.



21.2818, 0.2395, 0.2580



21.2818, 0.4056, 0.3690



21.2818, 0.2362, 0.3171

Square

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



21.2818, 0.4056, 0.3690



21.2818, 0.3062, 0.4007



21.2818, 0.2277, 0.2791



21.2818, 0.3138, 0.2694

Rectangle

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



21.2818, 0.4056, 0.3690



21.2818, 0.3660, 0.4113



21.2818, 0.2277, 0.2791



21.2818, 0.2579, 0.2543

Sweetspot

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



21.2828, 0.4056, 0.3690



55.9216, 0.3348, 0.3405



17.2763, 0.3511, 0.2579



12.2362, 0.3387, 0.3425



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.



21.2828, 0.4056, 0.3690



33.7665, 0.4339, 0.3770



31.1179, 0.3822, 0.4201



7.4755, 0.3276, 0.3370



8.4402, 0.5794, 0.3781



0.2638, 0.5138, 0.4303

Inverse Universe

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



23.0816, 0.2475, 0.2842



37.3674, 0.2347, 0.2725



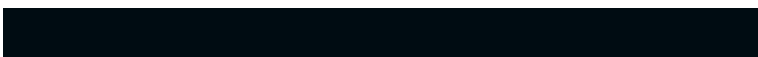
14.5486, 0.2364, 0.2172



7.5890, 0.2987, 0.3209



10.0804, 0.1921, 0.2117



0.2955, 0.2053, 0.2592

Previews

White Background



This preview shows how the Yxy color 21.2818, 0.4056, 0.3690 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 21.2818, 0.4056, 0.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

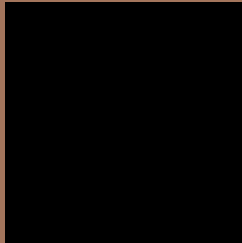
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2818, 0.4056, 0.3690

Background



This preview shows how black text looks on a background with the Yxy color 21.2818, 0.4056, 0.3690.



This preview shows how white text looks on a background with the Yxy color 21.2818, 0.4056, 0.3690.

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

21.2818, 0.4056, 0.3690

Protanopia

21.2761, 0.3583, 0.3831

Deuteranopia

21.2537, 0.3878, 0.3814



Tritanopia

21.3224, 0.3716, 0.3151

Trichromacy



Original Color

21.2818, 0.4056, 0.3690

Protanomaly

21.1031, 0.3757, 0.3775

Deuteranomaly

21.1568, 0.3944, 0.3772

Tritanomaly

21.1817, 0.3848, 0.3340

Monochromacy



Original Color

21.2818, 0.4056, 0.3690

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3158, 0.3444, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2818, 0.4056, 0.3690 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, 117, 92)` looks like.

```
.text, #text, p{  
    color:rgb(163, 117, 92)  
}
```

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, 117, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 117, 92) }
```

Border

The CSS property to change the border of an element to Yxy 21.2818, 0.4056, 0.3690 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, 117, 92) }
```

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

```
.border{ border-color:rgb(163, 117, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 117, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 117, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 117, 92);  
box-shadow:4px 4px 4px 4px rgb(163, 117,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2818, 0.4056, 0.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 117, 92) }
```

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

```
.background{ background-color: rgb(163,  
117, 92) }
```

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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