

Converting Colors

$Y_{xy}(21.3341, 0.4004, 0.3542)$

Have a look what the booklet for
Yxy(21.3341, 0.4004, 0.3542)
contains.

Yxy(21.2886, 0.4004, 0.3528)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2886, 0.4004, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	A67364
RGB	166, 115, 100
RGB Percent	65%, 45%, 39%
CMY	0.3489, 0.5490, 0.6078
CMYK	0.00, 0.31, 0.40, 0.35
HSL	14°, 27%, 52%
HSV	14°, 40%, 65%
XYZ	24.1609, 21.2886, 14.8924
YIQ	128.5390, 35.2110, 6.1470

Conversions

Conversions Part 2

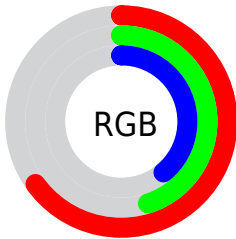
Format	Color
R_{YB}	166, 119, 100
Decimal	10908516
CIE _{Lab}	53.26, 18.18, 16.37
CIE _{LCh}	53, 24.469, 42.005
Yxy	21.2886, 0.4004, 0.3528
Android (android.graphics.Color)	4289098596 (0xFFA67364)
YUV	128.5390, -14.0697, 32.8533
Hunter-Lab	46.1396, 12.7268, 13.1608

Details

The Yxy color **21.2886, 0.4004, 0.3528** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.6078, 0.2550, 0.3033**, and the grayscale version is **21.8251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5598, 0.3809, 0.3482**, and **7.5982, 0.4370, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **18.2746, 0.4330, 0.3585**, and if you desaturate by 10%, it is **24.7776, 0.3723, 0.3466**.

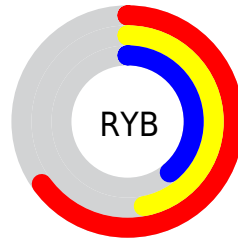
Distribution



Red (65%)

Green (45%)

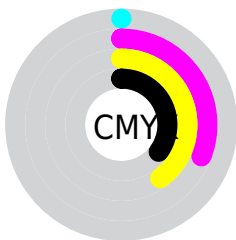
Blue (39%)



Red (65%)

Yellow (47%)

Blue (39%)

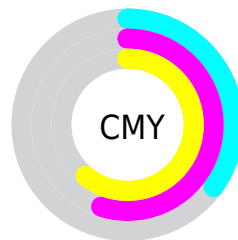


Cyan (0%)

Magenta (31%)

Yellow (40%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2886, 0.4004, 0.3528 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 21.2886, 0.4004, 0.3528 by changing the saturation by 10% instead.


 21.2886, 0.4004,
0.3528

 21.2886, 0.4004,
0.3528


258.8083, 0.3504,
0.3409


 13.3351, 0.4153,
0.3555


 45.5674, 0.3806,
0.3486


 7.6597, 0.4361,
0.3586


 62.6614, 0.3736,
0.3470

 3.8780, 0.4668,
0.3616

 83.5711, 0.3680,
0.3456

 1.6055, 0.5260,
0.3695

 108.6809, 0.3633,
0.3444

 0.3613, 0.6854,
0.3146

138.3751, 0.3593,
0.3433

 0.0000, 0.0000,
0.0000

173.0381, 0.3559,

0.3424

213.0544, 0.3530,
0.3416

■ 21.2886, 0.4004,
0.3528

■ 21.2886, 0.4004,
0.3528

■ 18.2746, 0.4330,
0.3585

■ 24.7776, 0.3723,
0.3466

■ 15.7118, 0.4698,
0.3630

■ 28.7580, 0.3487,
0.3404

■ 13.5789, 0.5093,
0.3653


■ 33.2491, 0.3289,
0.3345

■ 11.8516, 0.5484,
0.3645


■ 38.2684, 0.3124,
0.3289

■ 10.5029, 0.5830,
0.3600


■ 43.8323, 0.2986,
0.3237

 9.4965, 0.6106,
0.3530

 49.9566, 0.2871,
0.3190

 9.4767, 0.6112,
0.3529

 56.6566, 0.2774,
0.3147

 63.9469, 0.2693,
0.3108

 71.8414, 0.2623,
0.3073

Harmonies

Analogous

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



21.2886, 0.3799, 0.3171



21.2886, 0.4004, 0.3528



21.2886, 0.3951, 0.3857

Triad

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



21.2886, 0.4004, 0.3528



21.2886, 0.2822, 0.3788



21.2886, 0.2575, 0.2575

Complementary

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



21.2886, 0.4004, 0.3528



27.6078, 0.2550, 0.3033

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.



21.2886, 0.2355, 0.2676



21.2886, 0.4004, 0.3528



21.2886, 0.2487, 0.3363

Square

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



21.2886, 0.4004, 0.3528



21.2886, 0.3254, 0.4055



21.2886, 0.2323, 0.2951



21.2886, 0.2950, 0.2645

Rectangle

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



21.2886, 0.4004, 0.3528



21.2886, 0.3785, 0.4016



21.2886, 0.2323, 0.2951



21.2886, 0.2482, 0.2589

Sweetspot

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



21.2896, 0.4004, 0.3528



58.2354, 0.3334, 0.3359



19.4822, 0.3351, 0.2517



12.8012, 0.3358, 0.3366



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



21.2896, 0.4004, 0.3528



33.6014, 0.4300, 0.3580



29.9965, 0.3809, 0.4007



7.8084, 0.3280, 0.3342



7.4069, 0.6097, 0.3541



0.2535, 0.5498, 0.4017

Inverse Universe

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



27.6078, 0.2550, 0.3033



46.6844, 0.2436, 0.2964



18.5878, 0.2462, 0.2446



8.2389, 0.2987, 0.3238



14.2415, 0.2043, 0.2554



0.4157, 0.2118, 0.2824

Previews

White Background



This preview shows how the Yxy color 21.2886, 0.4004, 0.3528 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 21.2886, 0.4004, 0.3528 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 21.2886, 0.4004, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 21.2886, 0.4004, 0.3528.



This preview shows how white text looks on a background with the Yxy color 21.2886, 0.4004, 0.3528.

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

21.2886, 0.4004, 0.3528

Protanopia

21.3702, 0.3465, 0.3669

Deuteranopia

21.3040, 0.3766, 0.3682



Tritanopia

21.2936, 0.3759, 0.3152

Trichromacy



Original Color

21.2886, 0.4004, 0.3528

Protanomaly

21.2764, 0.3646, 0.3619

Deuteranomaly

21.1624, 0.3861, 0.3622

Tritanomaly

21.2180, 0.3851, 0.3292

Monochromacy



Original Color

21.2886, 0.4004, 0.3528

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4741, 0.3420, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2886, 0.4004, 0.3528 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(166, 115, 100)` looks like.

```
.text, #text, p{  
    color:rgb(166, 115, 100)  
}
```

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(166, 115, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 115, 100) }
```

Border

The CSS property to change the border of an element to Yxy 21.2886, 0.4004, 0.3528 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(166, 115, 100) }
```

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

```
.border{ border-color:rgb(166, 115, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 115, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 115, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 115, 100);  
box-shadow:4px 4px 4px 4px rgb(166, 115,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2886, 0.4004, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 115, 100) }
```

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

```
.background{ background-color: rgb(166,  
115, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor