

Converting Colors

$Y_{xy}(21.1120, 0.3297, 0.4032)$

Have a look what the booklet for
Yxy(21.1120, 0.3297, 0.4032)
contains.

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Color

Yxy(21.1120, 0.3297, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	71855F
RGB	113, 133, 95
RGB Percent	44%, 52%, 37%
CMY	0.5568, 0.4784, 0.6275
CMYK	0.15, 0.00, 0.29, 0.48
HSL	92°, 17%, 45%
HSV	92°, 29%, 52%
XYZ	17.2635, 21.1120, 13.9857
YIQ	122.6880, 0.2780, -16.0580

Conversions

Conversions Part 2

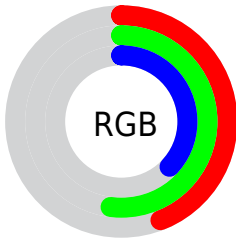
Format	Color
R_{YB}	95, 133, 115
Decimal	7439711
CIE _{Lab}	53.07, -14.56, 18.18
CIE _{LCh}	53, 23.292, 128.698
Yxy	21.1120, 0.3297, 0.4032
Android (android.graphics.Color)	4285629791 (0xFF71855F)
YUV	122.6880, -13.6502, -8.4964
Hunter-Lab	45.9478, -13.3428, 14.1167

Details

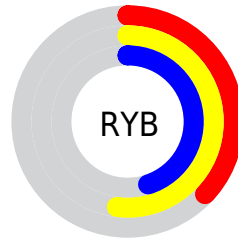
The Yxy color $21.1120, 0.3297, 0.4032$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.5161, 0.2909, 0.2555$, and the grayscale version is $19.7454, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.1925, 0.3260, 0.3851$, and $7.4899, 0.3344, 0.4362$ is the 20% darker color. If you saturate the color by 10%, you get $20.4453, 0.3348, 0.4321$, and if you desaturate by 10%, it is $21.8575, 0.3240, 0.3755$.

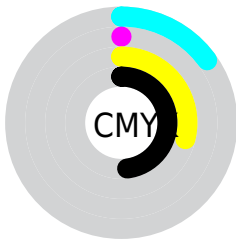
Distribution



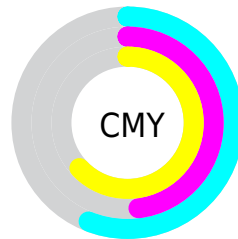
- Red (44%)
- Green (52%)
- Blue (37%)



- Red (37%)
- Yellow (52%)
- Blue (45%)



- Cyan (15%)
- Magenta (0%)
- Yellow (29%)
- Black (48%)





- Cyan (56%)
- Magenta (48%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1120, 0.3297, 0.4032 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 21.1120, 0.3297, 0.4032 by changing the saturation by 10% instead.


 21.1120, 0.3297,
0.4032


 21.1120, 0.3297,
0.4032


257.8731, 0.3209,
0.3600


 13.2059, 0.3319,
0.4166


 45.2739, 0.3265,
0.3857


 7.5705, 0.3345,
0.4359


 62.2984, 0.3252,
0.3797

 3.8214, 0.3373,
0.4655

 83.1312, 0.3242,
0.3749

 1.5741, 0.3547,
0.5406

 108.1567, 0.3233,
0.3709

 0.3401, 0.0000,
1.0000

137.7592, 0.3226,
0.3675

 0.0000, 0.0000,
0.0000

172.3232, 0.3219,

0.3647

212.2330, 0.3214,
0.3622

■ 21.1120, 0.3297,
0.4032

■ 21.1120, 0.3297,
0.4032

■ 20.4453, 0.3348,
0.4321

■ 21.8575, 0.3240,
0.3755

■ 19.8519, 0.3391,
0.4613

■ 22.6819, 0.3179,
0.3496

■ 19.3294, 0.3420,
0.4897

■ 23.5886, 0.3119,
0.3258

■ 18.8746, 0.3432,
0.5160

■ 24.5801, 0.3059,
0.3041

■ 18.4838, 0.3424,
0.5387

■ 25.6587, 0.3001,
0.2845

■ 18.1526, 0.3397,
0.5567

■ 26.8267, 0.2947,
0.2669

■ 17.8721, 0.3356,
0.5703

■ 28.0862, 0.2895,
0.2512

■ 17.8352, 0.3350,
0.5722

■ 29.4392, 0.2847,
0.2373

■ 30.8879, 0.2802,
0.2248

Harmonies

Analogous

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



21.1120, 0.3685, 0.4018



21.1120, 0.3297, 0.4032



21.1120, 0.2880, 0.3802

Triad

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



21.1120, 0.3297, 0.4032



21.1120, 0.2375, 0.2724



21.1120, 0.3733, 0.3141

Complementary

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



21.1120, 0.3297, 0.4032



13.5161, 0.2909, 0.2555

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.



21.1120, 0.3343, 0.2848



21.1120, 0.3297, 0.4032



21.1120, 0.2567, 0.2608

Square

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



21.1120, 0.3297, 0.4032



21.1120, 0.2366, 0.3007



21.1120, 0.2914, 0.2657



21.1120, 0.3954, 0.3482

Rectangle

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



21.1120, 0.3297, 0.4032



21.1120, 0.2641, 0.3548



21.1120, 0.2914, 0.2657



21.1120, 0.3616, 0.3035

Sweetspot

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



21.1129, 0.3297, 0.4032



40.5227, 0.3183, 0.3512



17.9881, 0.3625, 0.3659



9.0859, 0.3191, 0.3543



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.1129, 0.3297, 0.4032



37.0529, 0.3330, 0.4210



20.0445, 0.3084, 0.4067



5.3050, 0.3183, 0.3510



16.9926, 0.3352, 0.5721



0.0632, 0.3694, 0.5449

Inverse Universe

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



13.5161, 0.2909, 0.2555



21.2270, 0.2850, 0.2382



14.8429, 0.3168, 0.2619



4.6560, 0.3068, 0.3071



2.8551, 0.2102, 0.0932



0.0142, 0.2577, 0.1193

Previews

White Background



This preview shows how the Yxy color 21.1120, 0.3297, 0.4032 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 21.1120, 0.3297, 0.4032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

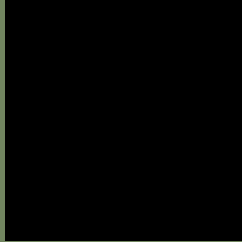
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1120, 0.3297, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 21.1120, 0.3297, 0.4032.



This preview shows how white text looks on a background with the Yxy color 21.1120, 0.3297, 0.4032.

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

21.1120, 0.3297, 0.4032

Protanopia

20.9287, 0.3646, 0.3904

Deuteranopia

20.8337, 0.3770, 0.3703



Tritanopia

20.9357, 0.2920, 0.3090

Trichromacy



Original Color

21.1120, 0.3297, 0.4032

Protanomaly

21.0800, 0.3517, 0.3959

Deuteranomaly

20.6627, 0.3591, 0.3817

Tritanomaly

20.8876, 0.3063, 0.3422

Monochromacy



Original Color

21.1120, 0.3297, 0.4032

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2929, 0.3186, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1120, 0.3297, 0.4032 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(113, 133, 95)` looks like.

```
.text, #text, p{  
    color:rgb(113, 133, 95)  
}
```

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(113, 133, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 133, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.1120, 0.3297, 0.4032 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(113, 133, 95) }
```

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

```
.border{ border-color:rgb(113, 133, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 133, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 133, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 133, 95);  
box-shadow:4px 4px 4px 4px rgb(113, 133,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1120, 0.3297, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 133, 95) }
```

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

```
.background{ background-color: rgb(113,  
133, 95) }
```

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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