

Converting Colors

$Y_{xy}(21.3366, 0.2966, 0.4137)$

Have a look what the booklet for
Yxy(21.3366, 0.2966, 0.4137)
contains.

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Color

Yxy(21.3255, 0.2968, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	568B62
RGB	86, 139, 98
RGB Percent	34%, 55%, 38%
CMY	0.6628, 0.4549, 0.6158
CMYK	0.38, 0.00, 0.30, 0.45
HSL	134°, 24%, 44%
HSV	134°, 38%, 55%
XYZ	15.2737, 21.3255, 14.8620
YIQ	118.4790, -18.4270, -23.9870

Conversions

Conversions Part 2

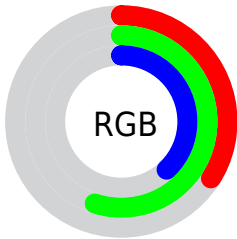
Format	Color
R_{YB}	86, 129, 139
Decimal	5671778
CIE _{Lab}	53.30, -26.89, 16.51
CIE _{LCh}	53, 31.555, 148.444
Yxy	21.3255, 0.2968, 0.4144
Android (android.graphics.Color)	4283861858 (0xFF568B62)
YUV	118.4790, -10.0961, -28.4841
Hunter-Lab	46.1795, -21.7761, 13.2444

Details

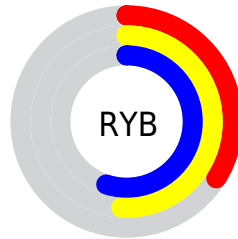
The Yxy color **21.3255, 0.2968, 0.4144** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.6764, 0.3343, 0.2567**, and the grayscale version is **18.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7131, 0.3012, 0.3937**, and **7.5935, 0.2874, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **20.5399, 0.2934, 0.4418**, and if you desaturate by 10%, it is **22.2685, 0.3007, 0.3888**.

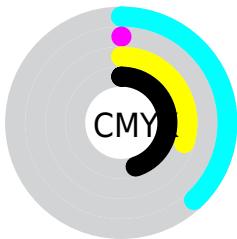
Distribution



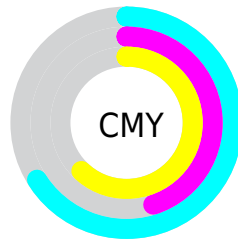
- Red (34%)
- Green (55%)
- Blue (38%)



- Red (34%)
- Yellow (51%)
- Blue (55%)



- Cyan (38%)
- Magenta (0%)
- Yellow (30%)
- Black (45%)





- Cyan (66%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3255, 0.2968, 0.4144 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 21.3255, 0.2968, 0.4144 by changing the saturation by 10% instead.


 21.3255, 0.2968,
0.4144


 21.3255, 0.2968,
0.4144


259.0033, 0.3069,
0.3640


 13.3621, 0.2932,
0.4305


 45.6286, 0.3012,
0.3938


 7.6784, 0.2875,
0.4539


 62.7372, 0.3026,
0.3868


 3.8899, 0.2778,
0.4909

 83.6629, 0.3037,
0.3811

 1.6121, 0.2651,
0.5748

 108.7903, 0.3046,
0.3765

 0.3658, 0.0000,
1.0000

 138.5036, 0.3053,
0.3726

 0.0000, 0.0000,
0.0000

173.1873, 0.3059,

0.3693

213.2257, 0.3065,
0.3665

■ 21.3255, 0.2968,
0.4144

■ 21.3255, 0.2968,
0.4144

■ 20.5399, 0.2934,
0.4418

■ 22.2685, 0.3007,
0.3888

■ 19.9005, 0.2908,
0.4702

■ 23.3742, 0.3049,
0.3654

■ 19.3987, 0.2893,
0.4984


■ 24.6508, 0.3092,
0.3444

■ 19.0242, 0.2890,
0.5252


■ 26.1051, 0.3135,
0.3257

■ 18.7647, 0.2900,
0.5490

■ 27.7437, 0.3177,
0.3093

 18.5958, 0.2919,
0.5687

 29.5728, 0.3217,
0.2950

 18.5681, 0.2922,
0.5719

 31.5983, 0.3254,
0.2825

 33.8258, 0.3290,
0.2716

 36.2607, 0.3323,
0.2622

Harmonies

Analogous

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



21.3255, 0.3529, 0.4335



21.3255, 0.2968, 0.4144



21.3255, 0.2477, 0.3642

Triad

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



21.3255, 0.2968, 0.4144



21.3255, 0.2276, 0.2415



21.3255, 0.4180, 0.3369

Complementary

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



21.3255, 0.2968, 0.4144



13.6764, 0.3343, 0.2567

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.



21.3255, 0.3781, 0.2944



21.3255, 0.2968, 0.4144



21.3255, 0.2661, 0.2416

Square

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



21.3255, 0.2968, 0.4144



21.3255, 0.2107, 0.2629



21.3255, 0.3209, 0.2607



21.3255, 0.4257, 0.3811

Rectangle

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



21.3255, 0.2968, 0.4144



21.3255, 0.2250, 0.3249



21.3255, 0.3209, 0.2607



21.3255, 0.4078, 0.3222

Sweetspot

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



21.3264, 0.2968, 0.4144



43.3991, 0.3079, 0.3506



23.6906, 0.3540, 0.4248



9.9372, 0.3074, 0.3531



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.3264, 0.2968, 0.4144



36.9269, 0.2938, 0.4386



21.8997, 0.2738, 0.3589



5.6256, 0.3088, 0.3464



16.7594, 0.2920, 0.5713



0.1132, 0.2721, 0.4996

Inverse Universe

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



13.6764, 0.3343, 0.2567



21.1378, 0.3409, 0.2405



13.0836, 0.3763, 0.3015



5.1099, 0.3169, 0.3122



5.9255, 0.3858, 0.1899



0.0416, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 21.3255, 0.2968, 0.4144 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 21.3255, 0.2968, 0.4144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

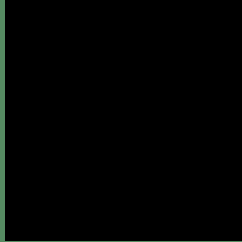
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3255, 0.2968, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 21.3255, 0.2968, 0.4144.



This preview shows how white text looks on a background with the Yxy color 21.3255, 0.2968, 0.4144.

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

21.3255, 0.2968, 0.4144

Protanopia

21.1857, 0.3641, 0.3921

Deuteranopia

21.1743, 0.3702, 0.3634



Tritanopia

21.2755, 0.2642, 0.3081

Trichromacy



Original Color

21.3255, 0.2968, 0.4144

Protanomaly

20.8923, 0.3374, 0.4003

Deuteranomaly

20.7379, 0.3393, 0.3798

Tritanomaly

21.1356, 0.2758, 0.3447

Monochromacy



Original Color

21.3255, 0.2968, 0.4144

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1336, 0.3054, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3255, 0.2968, 0.4144 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(86, 139, 98)` looks like.

```
.text, #text, p{  
    color:rgb(86, 139, 98)  
}
```

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(86, 139, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 139, 98) }
```

Border

The CSS property to change the border of an element to Yxy 21.3255, 0.2968, 0.4144 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(86, 139, 98) }
```

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

```
.border{ border-color:rgb(86, 139, 98) }
```

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

Here you see how a box with a 4 pixel rgb(86, 139, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 139, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 139, 98);  
box-shadow:4px 4px 4px 4px rgb(86, 139,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3255, 0.2968, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 139, 98) }
```

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

```
.background{ background-color: rgb(86, 139,  
98) }
```

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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