

Converting Colors

$Y_{xy}(21.8623, 0.2856, 0.4277)$

Have a look what the booklet for
Yxy(21.8623, 0.2856, 0.4277)
contains.

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Color

Yxy(21.8857, 0.2856, 0.4266)

Conversions

Conversions Part 1

Format	Color
Hex	488F61
RGB	72, 143, 97
RGB Percent	28%, 56%, 38%
CMY	0.7177, 0.4392, 0.6195
CMYK	0.50, 0.00, 0.32, 0.44
HSL	141°, 33%, 42%
HSV	141°, 50%, 56%
XYZ	14.6520, 21.8857, 14.7649
YIQ	116.5270, -27.5500, -29.3580

Conversions

Conversions Part 2

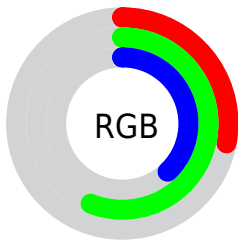
Format	Color
R_{YB}	72, 125, 143
Decimal	4755297
CIE _{Lab}	53.91, -33.22, 17.78
CIE _{LCh}	54, 37.678, 151.850
Yxy	21.8857, 0.2856, 0.4266
Android (android.graphics.Color)	4282945377 (0xFF488F61)
YUV	116.5270, -9.6268, -39.0502
Hunter-Lab	46.7822, -25.9631, 14.0350

Details

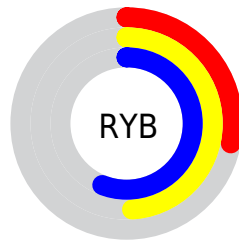
The Yxy color **21.8857, 0.2856, 0.4266** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.7796, 0.3583, 0.2495**, and the grayscale version is **17.6713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4306, 0.2926, 0.4023**, and **7.9779, 0.2716, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **21.2368, 0.2823, 0.4507**, and if you desaturate by 10%, it is **22.6844, 0.2900, 0.4035**.

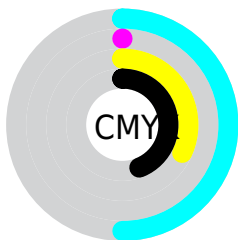
Distribution



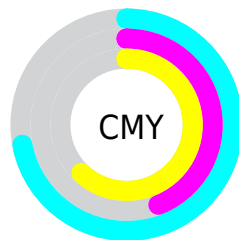
- Red (28%)
- Green (56%)
- Blue (38%)



- Red (28%)
- Yellow (49%)
- Blue (56%)



- Cyan (50%)
- Magenta (0%)
- Yellow (32%)
- Black (44%)




- Cyan (72%)
- Magenta (44%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8857, 0.2856, 0.4266 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 21.8857, 0.2856, 0.4266 by changing the saturation by 10% instead.


 21.8857, 0.2856,
0.4266


 21.8857, 0.2856,
0.4266


261.9488, 0.3023,
0.3689


 13.7729, 0.2799,
0.4451


 46.5570, 0.2927,
0.4029


 7.9629, 0.2712,
0.4720


 63.8844, 0.2950,
0.3949


 4.0712, 0.2569,
0.5146

 85.0520, 0.2968,
0.3884

 1.7135, 0.2330,
0.6122

 110.4444, 0.2983,
0.3831

 0.4324, 0.0000,
1.0000

 140.4458, 0.2996,
0.3787

 0.0000, 0.0000,
0.0000

175.4408, 0.3006,

0.3749

215.8136, 0.3015,
0.3717

■ 21.8857, 0.2856,
0.4266

■ 21.8857, 0.2856,
0.4266

■ 21.2368, 0.2823,
0.4507

■ 22.6844, 0.2900,
0.4035

■ 20.7253, 0.2804,
0.4752

■ 23.6390, 0.2952,
0.3820

■ 20.3412, 0.2801,
0.4992


■ 24.7585, 0.3009,
0.3622


■ 20.0720, 0.2815,
0.5216

■ 26.0505, 0.3069,
0.3444

■ 19.8859, 0.2840,
0.5419

■ 27.5218, 0.3129,
0.3285

 19.8801, 0.2840,
0.5426

 29.1793, 0.3189,
0.3144

 31.0292, 0.3248,
0.3021

 33.0774, 0.3304,
0.2912

 35.3298, 0.3357,
0.2817

Harmonies

Analogous

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



21.8857, 0.3511, 0.4533



21.8857, 0.2856, 0.4266



21.8857, 0.2308, 0.3625

Triad

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



21.8857, 0.2856, 0.4266



21.8857, 0.2175, 0.2261



21.8857, 0.4405, 0.3424

Complementary

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



21.8857, 0.2856, 0.4266



11.7796, 0.3583, 0.2495

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.



21.8857, 0.3969, 0.2933



21.8857, 0.2856, 0.4266



21.8857, 0.2642, 0.2295

Square

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



21.8857, 0.2856, 0.4266



21.8857, 0.1954, 0.2468



21.8857, 0.3297, 0.2534



21.8857, 0.4439, 0.3933

Rectangle

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



21.8857, 0.2856, 0.4266



21.8857, 0.2070, 0.3153



21.8857, 0.3297, 0.2534



21.8857, 0.4300, 0.3255

Sweetspot

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



21.8866, 0.2856, 0.4266



45.3030, 0.3035, 0.3542



23.9757, 0.3538, 0.4590



10.2909, 0.3023, 0.3577



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.8866, 0.2856, 0.4266



37.8662, 0.2819, 0.4547



22.6988, 0.2573, 0.3501



6.0588, 0.3072, 0.3436



17.5803, 0.2838, 0.5417



0.1720, 0.2606, 0.4583

Inverse Universe

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



11.7796, 0.3583, 0.2495



17.5168, 0.3738, 0.2337



11.0912, 0.4251, 0.3104



5.4792, 0.3187, 0.3149



5.8599, 0.4314, 0.2150



0.0602, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 21.8857, 0.2856, 0.4266 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 21.8857, 0.2856, 0.4266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

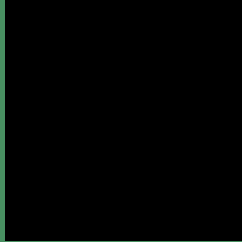
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8857, 0.2856, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 21.8857, 0.2856, 0.4266.



This preview shows how white text looks on a background with the Yxy color 21.8857, 0.2856, 0.4266.

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

21.8857, 0.2856, 0.4266

Protanopia

21.5969, 0.3673, 0.3949

Deuteranopia

21.5895, 0.3736, 0.3664



Tritanopia

21.9607, 0.2530, 0.3080

Trichromacy



Original Color

21.8857, 0.2856, 0.4266

Protanomaly

21.1428, 0.3329, 0.4068

Deuteranomaly

21.0229, 0.3361, 0.3859

Tritanomaly

21.7557, 0.2647, 0.3489

Monochromacy



Original Color

21.8857, 0.2856, 0.4266

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.8142, 0.3007, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8857, 0.2856, 0.4266 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(72, 143, 97)` looks like.

```
.text, #text, p{  
    color:rgb(72, 143, 97)  
}
```

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(72, 143, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 143, 97) }
```

Border

The CSS property to change the border of an element to Yxy 21.8857, 0.2856, 0.4266 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(72, 143, 97) }
```

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

```
.border{ border-color:rgb(72, 143, 97) }
```

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

Here you see how a box with a 4 pixel rgb(72, 143, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 143, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 143, 97);  
box-shadow:4px 4px 4px 4px rgb(72, 143,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8857, 0.2856, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 143, 97) }
```

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

```
.background{ background-color: rgb(72, 143,  
97) }
```

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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